

REDUCED PRICE LIST  
AND  
**ILLUSTRATED CATALOGUE**  
OF  
APPARATUS & CHEMICAL PREPARATIONS  
USED IN THE ART OF  
**PHOTOGRAPHY;**

COMPRISING THE  
DAGUERREOTYPE, CALOTYPE, WAXED PAPER,  
ALBUMEN, COLLODION,  
DRY COLLODION, & POSITIVE PAPER PROCESSES.

---

MANUFACTURED AND SOLD BY  
**BLAND & CO.,**  
OPTICIANS AND PHOTOGRAPHIC INSTRUMENT MAKERS



BY APPOINTMENT,  
**153, FLEET STREET, LONDON.**

REDUCED PRICE LIST

# ILLUSTRATED CATALOGUE

APPLIANCES & CHEMICAL PREPARATIONS

USED IN THE ART OF

## PHOTOGRAPHY;

INCLUDING THE

IMPROVEMENTS IN THE ART OF

PRINTING IN COLOUR

THE CATALOGUE & LIST OF

MANUFACTURED AND SOLD BY

BLAND & CO.

OPTICIANS AND PHOTOGRAPHIC INSTRUMENT MAKERS



BY APPOINTMENT

100, FLEET STREET, LONDON.



## P R E F A C E.

---

### MESSRS. BLAND & CO.,

IN submitting the following Catalogue of Instruments, Apparatus, and Chemical Preparations used in the beautiful Art of Photography, to the notice of Amateurs and Photographers in general, would take this opportunity of stating, that nearly the whole of the Apparatus therein described is manufactured on the premises, under their own immediate superintendence; thereby insuring instruments with all the most recent improvements, and at very moderate prices.

They would further state that, for the better carrying out of experiments in Photography, and the testing of Photographic Lenses during the manufacture, they have erected a spacious Glass Room, in which every requisite for the illustration of the various processes, and trial of Lenses, will be found.

Purchasers of Apparatus, and others desiring information, will receive every instruction and explanation as to the manipulations and scientific principles involved in the various Photographic processes, either by letter or personally, at the establishment, No. 153, FLEET STREET, LONDON.

Orders from abroad, which should be accompanied by an order for payment in London, executed in the best manner, and in the shortest possible time.

PHOTOGRAPHIC ALPHABET

MESSRS. BLAND & CO.

is exhibiting the following Catalogue of Instruments, Apparatus, and Chemical Preparations used in the beautiful Art of Photography to the notice of Amateurs and Photographers in general, would take this opportunity of stating that nearly the whole of the Apparatus described is manufactured on the premises, under their own immediate supervision, thereby insuring instruments with all the most recent improvements, and at very moderate prices.

I now would further state that for the better carrying out of experiments in Photography, and the testing of Photographic Cases during the manufacturing, they have erected a spacious Glass Room, in which every requisite for the illustration of the various processes with which a Camera will be found.

For all orders of Apparatus, and others desiring information will receive every instruction and explanation as to the manipulations and various instruments involved in the various Photographic processes, either by letter or personally, at the establishment, No. 148, FLEET STREET, LONDON.

Orders from abroad, which should be accompanied by an order for payment in London, accepted in the best manner, and in the most prompt and efficient manner.

# Nett Prices

OF

## PHOTOGRAPHIC APPARATUS, &c.

Messrs. BLAND & CO. would mention with respect, that it is necessary that all orders be accompanied by a remittance or order for payment in London, otherwise they cannot be forwarded. Attention to this particular will obviate delay and inconvenience.

### LENSES.

Single Achromatic Lenses, unmounted, suitable for taking views by Calotype or Collodion processes:—

No.	Diameter.	Focus.	£	s.	d.
No. 1.	$1\frac{1}{4}$ inches	4 to 6 inches	0	4	6
2.	$1\frac{1}{2}$ "	6 to 7 "	0	6	0
3.	$1\frac{3}{4}$ "	6 to 8 "	0	7	6
4.	2 "	8 to 10 "	0	10	6
5.	$2\frac{1}{4}$ "	8 to 10 "	0	13	6
6.	$2\frac{5}{8}$ "	12 to 14 "	0	19	6
7.	3 "	12 to 15 "	1	7	0
8.	$3\frac{1}{2}$ "	12 to 16 "	1	17	6
9.	4 "	16 to 20 "	2	12	6

### BLAND & CO'S ACHROMATIC LANDSCAPE LENSES.

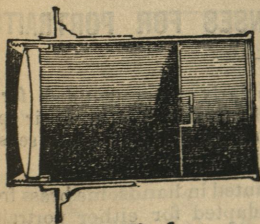


Fig. 1.

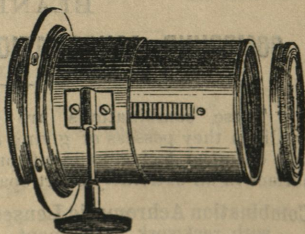


Fig. 2.



Mounted in handsome brass fronts, with rings for adaptation to Camera:—

No.	Diameter.	Simple sliding tube. (Fig. 1.)			For Pictures.	Rack and Pinion. (Fig. 2.)		
		£	s.	d.		£	s.	d.
1.	1 $\frac{1}{4}$ inches	0	12	0	5 in. by 4 in.	0	15	9
2.	1 $\frac{1}{2}$ "	0	15	9		1	0	0
3.	1 $\frac{3}{4}$ "	0	18	9		1	4	0
4.	2 "	1	4	0	6 " by 5 "	1	11	6
5.	2 $\frac{1}{4}$ "	1	6	6	7 " by 6 "	1	15	0
6.	2 $\frac{5}{8}$ "	1	13	6	9 " by 7 "	2	1	0
7.	3 "	2	16	0	11 " by 9 "	3	7	6
8.	3 $\frac{1}{2}$ "	3	10	0	12 " by 10 "	4	10	0
9.	4 "	4	17	6	15 " by 12 "	5	10	0

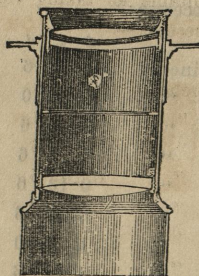


Fig. 3.  
Sectional view of Compound  
Achromatic Lens.

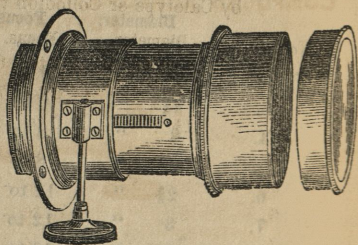


Fig. 4.

## BLAND & CO.'S COMPOUND ACHROMATIC LENSES FOR PORTRAITS.

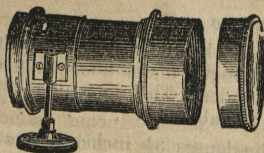
These combinations are particularly recommended for the qualities they possess of giving a flat field, and having their optical and chemical foci coincident, producing an image on the sensitive surface in an extremely short space of time.

Combination Achromatic Lenses, mounted in handsome brass fronts, with rackwork adjustment, and adapted for either portraits or views:—

No. 1.	For pictures, $4\frac{1}{4}$ by $3\frac{1}{4}$ inches ( <i>Fig. 4.</i> )	£	s.	d.
2.	" arranged for views, 6 by 5 in., and portraits, $4\frac{1}{4}$ by $3\frac{1}{4}$ in.	2	15	0
3.	" 5 by 4 in.	3	0	0
4.	" arranged for views, 7 by 6 in., and portraits, 5 by 4 in.	3	10	0
5.	" 6 by 5 in.	3	18	6
6.	" arranged for views, 9 by 7 in., and portraits, 6 by 5 in.	5	10	0
7.	" $8\frac{1}{2}$ by $6\frac{1}{2}$ in.	6	0	0
8.	" arranged for views, 12 by 10 in., and portraits, $8\frac{1}{2}$ by $6\frac{1}{2}$ in.	11	16	0
		12	12	0

The arrangement of the above lenses for views consists in the removal of one lens in the combination, and placing the other in a different position in the sliding tube, with the requisite stops or diaphragms for regulating the amount of light.

### COMPOUND ACHROMATIC FOREIGN LENSES FOR PORTRAITS.



*Fig. 5.*

No. 1.	For pictures, $4\frac{1}{4}$ by $3\frac{1}{4}$ inches ( <i>Fig. 5.</i> )	£	s.	d.
2.	" $6\frac{1}{2}$ by $4\frac{3}{4}$ "	14s. & 1	1	0
3.	" $8\frac{1}{2}$ by $6\frac{1}{2}$ "	£2 & 2	12	6
		£5 & 6	0	0

### MENISCUS LENSES.

No.	Diameter.	Focus.	£	s.	d.
No. 1.	$1\frac{1}{2}$ inches	8 to 10 inches	0	3	0
2.	2 "	9 to 10 "	0	3	9
3.	$2\frac{3}{4}$ "	10 to 12 "	0	5	8
4.	3 "	12 to 14 "	0	6	9
5.	$3\frac{1}{2}$ "	14 to 16 "	0	7	6



MESSRS. BLAND & Co. also supply Lenses of eminent English and Foreign manufacturers at the makers' prices, as per following list:—

## A. ROSS'S PHOTOGRAPHIC PORTRAIT LENSES.

*The whole of these glasses give fine and correct definition, both at the centre and margin of the picture, and have their visual and chemical acting foci coincident.*

	£	s.	d.
No. 1. Portrait lens, consisting of two achromatic combinations, mounted in tubes, with rack-and-pinion movement, the lenses $1\frac{3}{4}$ inch diameter, and $4\frac{1}{2}$ inches focal length from the back glass, producing pictures on plates 4 by 3 inches and under . . . . .	5	0	0
Parallel mirror to the above . . . . .	2	10	0
No. 2. Ditto, ditto, the lenses $2\frac{1}{4}$ inches diameter and 6 inches focal length, for pictures on plates 5 by 4 inches and under . . . . .	8	0	0
Parallel mirror to the above . . . . .	3	10	0
No. 2 A. Ditto, ditto, the lenses $2\frac{1}{2}$ inches diameter and $7\frac{1}{2}$ inches focal length, for pictures on plates 5 by 4 inches and under. This lens produces <i>larger portraits</i> than the above . . . . .	10	10	0
No. 3. Ditto, ditto, the lenses $3\frac{1}{4}$ inches diameter and 8 inches focal length, for pictures on plates $6\frac{1}{2}$ by $4\frac{3}{4}$ inches and under. This is specially for Daguerreo-type portraits . . . . .	16	0	0
Parallel mirror to the above . . . . .	5	0	0
No. 3. Ditto, ditto, the lenses $3\frac{1}{4}$ inches diameter, and 10 inches focal length, for pictures on plates $6\frac{1}{2}$ by $4\frac{3}{4}$ inches and under. This is specially for Collodion portraits . . . . .	16	0	0
Parallel mirror for the above . . . . .	5	0	0
No. 3 A. Ditto, ditto, the front lens $3\frac{1}{4}$ inches diameter, the back lens 4 inches diameter, 12 inches focal length, for pictures on plates $8\frac{1}{2}$ by $6\frac{1}{2}$ inches and under . . . . .	25	0	0
No. 4. Ditto, ditto, the lenses $4\frac{1}{2}$ inches diameter, 15 inches focal length, for pictures on plates 10 by 8 inches and under . . . . .	36	0	0
Parallel mirror to the above . . . . .	9	0	0



	£	s.	d.
No. 4 <b>A.</b> Ditto, ditto, the front lens $3\frac{1}{4}$ inches diameter, the back lens 5 inches diameter, 20 inches focal length, for pictures on plates 16 by 14 inches and under . . . . .	30	0	0
No. 5. <b>A</b> Combination for Portraiture, $3\frac{1}{4}$ inches diameter, $6\frac{1}{2}$ inches focal length, producing portraits in one-half the usual time on plates 4 by 3 inches. This lens is specially useful in dull weather, or in private rooms, or when taking the Portraits of Children or Animals . . . . .	30	0	0
No. 6. A lens producing pictures of a size for Locket plates, $1\frac{1}{2}$ by 1 inch with the whole aperture, $3\frac{1}{4}$ by $2\frac{3}{4}$ inches with the diaphragm . . . . .	6	0	0
Parallel mirror to the above . . . . .	2	10	0
<b>A</b> focussing Glass for ascertaining that the image produced by the Camera lens is formed accurately on the greyed surface of the focussing screen, and consequently on the sensitive surface of the plates of paper . . . . .	0	16	0

## A. ROSS'S PHOTOGRAPHIC LANDSCAPE LENSES.

No. 1 <b>A.</b> Landscape lens, consisting of one achromatic combination, mounted in tubes, with rack-and-pinion movement, the lens 2 inches in diameter and 9 inches focal length, for producing pictures 6 inches by 5 . . . . .	4	0	0
No. 1. Ditto, ditto, without rack-and-pinion movement . . . . .	3	0	0
No. 2. Ditto, ditto, $2\frac{1}{2}$ inches diameter, 12 inches focal length, for pictures $8\frac{1}{2}$ inches by $6\frac{1}{2}$ . . . . .	5	10	0
No. 2. Ditto, without rack-and-pinion movement . . . . .	4	10	0
No. 3. Ditto, ditto, 3 inches diameter, 15 inches focal length, for pictures 10 by 8 . . . . .	6	10	0
No. 3. Ditto, without rack-and-pinion movement . . . . .	5	10	0
No. 3 <b>A.</b> A ditto, ditto, $3\frac{1}{2}$ inches diameter and 18 inches focal length, for pictures 12 inches by 10 . . . . .	8	0	0
No. 3 <b>A.</b> A ditto, without rack-and-pinion movement . . . . .	7	0	0
No. 4. Ditto, ditto, 4 inches diameter, 20 inches focal length, for pictures 15 inches by 12. In consequence of the length of the Camera, this requires an universal joint handle to rack-and-pinion movement. . . . .	12	0	0

	£	s.	d.
No. 4. Ditto, without rack-and-pinion movement . . . . .	10	0	0
No. 5. Ditto, ditto, 5 inches diameter, 25 inches focal length, for pictures 18 inches by 16, in setting without rack-and-pinion movement . . . . .	14	0	0
No. 6. Ditto, ditto, 6 inches diameter, 30 inches focal length, for pictures 22 inches by 20 . . . . .	22	0	0
No. 7. Ditto, ditto, 7 inches diameter, 35 inches focal length, for pictures 24 inches by 22 . . . . .	28	0	0
No. 8. Ditto, ditto, 8 inches diameter, 40 inches focal length, for pictures 26 inches by 24 . . . . .	32	0	0
Prism for reversing the landscape . . . . .	1	10	0
A Lens for Stereoscopic pictures $4\frac{1}{2}$ in. focus, 1 in. diameter . . . . .	1	8	0
Ditto, ditto, ditto. with rack-and-pinion . . . . .	2	0	0
A Lens for Stereoscopic pictures 6 in. in focus, 1 in. diameter . . . . .	1	8	0
Ditto, ditto, ditto, with rack-and-pinion . . . . .	2	0	0
T. Ross's portable Stereoscopic Camera and landscape lens, in deal box, complete with stand . . . . .	6	6	0

## A. ROSS'S

### NEW ORTHOGRAPHIC PETZVAL LENSES,

FOR

### LANDSCAPES AND GROUPS.

THE arrangement of the optical properties of these lenses resembles that originally employed by Professor PETZVAL. The peculiar form of this instrument gives it the following advantages:—It has only one-third the bulk of the ordinary single combination; a reduction of one-sixth is made in the length of the Camera; the axial aberrations are completely corrected; the actinic focus embodies more of the chemically-acting rays than that of the single combination, and these perfectly coincide with the visual rays at their focus; it covers a large flat field, and produces straight marginal lines, which appear in their true perspective places, while their perpendicularity is so



affected as to remove every trace of the usual inward leaning of architectural objects. All these necessary qualities of excellence are naturally unobtainable with the ordinary single combination, in whatever phase that limited construction may be presented, if we accept a loose approximation to actinism and flatness of field; and further, up to the present time, optical corrections, producing the above-named qualities, can only be effected by Professor PETZVAL's second combination having a *Negative* focus.—(See A. R.'s Paper in No. 56 of "*Photographic Notes*," p. 175.)

### DIMENSIONS AND PRICES.

Size of Picture.		Diameter of Front Lens.	Back Focus of Landscape combination	PRICE.		
in.	in.	in.	in.	£	s.	d.
6	× 5	$\frac{9}{10}$	$7\frac{1}{2}$	3	15	0
$8\frac{1}{2}$	× $6\frac{1}{2}$	$1\frac{1}{4}$	$10\frac{1}{2}$	4	12	6
10	× 8	$1\frac{1}{2}$	$13\frac{1}{2}$	5	15	6
12	× 10	$1\frac{8}{10}$	$16\frac{1}{2}$	7	0	0
15	× 12	$2\frac{1}{4}$	$18\frac{1}{2}$	8	0	0
18	× 16	3	26	12	12	0
22	× 20	$3\frac{6}{10}$	$31\frac{1}{2}$	17	0	0
25	× 21	4	34	21	0	0

### LEREBOUR'S COMPOUND ACHROMATIC PORTRAIT LENSES.

		£	s.	d.
No. 1.	For portraits, $3\frac{1}{4}$ by $2\frac{3}{4}$ inches . . . . .	1	10	0
2.	" " $4\frac{1}{4}$ by $3\frac{1}{4}$ " . . . . .	2	10	0
3.	" " $6\frac{1}{2}$ by $4\frac{3}{4}$ " . . . . .	4	0	0
4.	" " $8\frac{1}{2}$ by $6\frac{1}{2}$ " . . . . .	9	0	0
5.	" " $8\frac{1}{2}$ by $6\frac{1}{2}$ " extra quick, diameter of lenses $3\frac{1}{2}$ inches . . . . .	15	0	0
6.	" " 10 by 8 inches, diameter of lenses 4 inches . . . . .	25	0	0



## LEREBOUR'S SINGLE ACHROMATIC VIEW LENSES,

*With Sliding Tube adjustment.*

				£	s.	d.
No. 1.	For landscapes,	5 by 4 inches	. . .	1	5	0
2.	"	7 by 6 "	. . .	1	15	0
3.	"	9 by 7 "	. . .	3	10	0
4.	"	11 by 9 "	. . .	6	0	0
5.	"	12 by 10 "	. . .	9	0	0

## MAUGEY'S COMPOUND ACHROMATIC PORTRAIT LENSES.

				£	s.	d.
No. 1.	For portraits,	1½ by 1 (Locketts.)	. . .	0	17	6
2.	"	2½ by 2 "	. . .	1	0	0
3.	"	3½ by 2¾ "	. . .	1	2	6
4.	"	4½ by 3½ "	. . .	1	8	6
5.	"	6½ by 4¾ "	. . .	3	7	6
6.	"	8½ by 6½ "	. . .	7	10	0

## MAUGEY'S NEW COMPOUND ACHROMATIC LENS,

*Mounted with Rack-and-pinion adjustment, and*

New Patent Expanding Diaphragm between the lenses, obviating the necessity of carrying a set of stops; the new stop being capable of expansion from  $\frac{1}{4}$  of an inch to the full diameter of the lens, giving the operator an opportunity of regulating the aperture during the exposure of a sensitive plate, without interfering with the lenses or camera.

				£	s.	d.
No. 1.	For portraits,	6½ by 4¾ inches	. . .	5	5	0
2.	"	8½ by 6½ "	. . .	9	10	0
3.	"	9 by 7 "	. . .	18	0	0
4.	"	10 by 8 "	. . .	25	0	0

## MAUGEY'S NEW SINGLE ACHROMATIC VIEW LENSES,

*With New Expanding Diaphragm.*

			£	s.	d.
No. 1.	For landscapes, 7 by 6 inches	.	3	10	0
2.	" 9 by 7 "	.	6	10	0
3.	" 10 by 8 "	.	10	10	0
4.	" 12 by 10 "	.	14	0	0

## JAMIN'S COMPOUND ACHROMATIC LENSES,

*With Rack-and-pinion adjustment.*

			£	s.	d.
No. 1.	For portraits, $4\frac{1}{2}$ by $3\frac{1}{4}$ inches	.	1	5	0
2.	" $6\frac{1}{2}$ by $4\frac{3}{4}$ "	.	4	4	0
3.	" $8\frac{1}{2}$ by $6\frac{1}{2}$ "	.	7	0	0
4.	" 10 by 8, with centralizing cone and focal variations of coincidence for portrait and landscape, lenses 4 inches diameter, with 2 sets of racks-and-pinions	25	0	0	
5.	" 14 by 12, lens 5 in. diameter	37	10	0	

## PHOTOGRAPHIC CAMERAS,

ADAPTED FOR VIEWS ON GLASS OR PAPER.

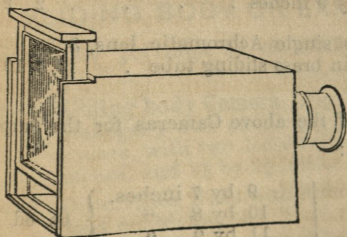


Fig. 8.

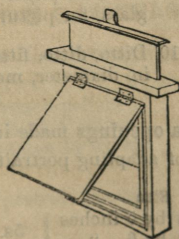


Fig. 9.



## RIGID CAMERAS.

	£	s.	d.
No. 1. Mahogany French-polished Camera ( <i>Fig. 8</i> ), with one single back, ( <i>Fig. 9</i> ) for either paper or glass, and ground focussing glass, for pictures 6 by 5 in. . . . .	0	18	6
No. 2. Ditto, ditto, same as above, for either glass or paper process, fitted with single Achromatic lens, $1\frac{3}{4}$ inches diameter, in brass sliding tube . . . . .	2	5	0
No. 3. Mahogany Camera, French-polished, with one back for either glass or paper process, ground focussing glass, &c., for pictures 7 by 6 inches . . . . .	1	0	0
No. 4. Ditto, ditto, fitted with single Achromatic lens, $2\frac{1}{4}$ in. diameter, mounted in brass sliding tube . . . . .	2	6	6
No. 5. Mahogany Camera, French-polished, with one back, for either glass or paper process, ground glass for focussing, for pictures 9 by 7 inches . . . . .	1	7	6
No. 6. Ditto, ditto, fitted with single Achromatic lens, $2\frac{5}{8}$ in. diameter, mounted in brass sliding tube . . . . .	3	0	0
No. 7. Mahogany Camera, French-polished, with one back, for either paper or glass process, ground focussing glass, for pictures 10 by 8 inches . . . . .	1	11	6
No. 8. Mahogany Camera, fitted with single Achromatic lens, 3 inches diameter, mounted in brass sliding tube, for pictures 10 by 8 inches . . . . .	4	7	6
No. 9. Mahogany Camera, French-polished, with one back, for paper or glass process, ground focussing glass, for pictures 11 by 9 inches . . . . .	2	2	0
No. 10. Ditto, ditto, fitted with single Achromatic lens, 3 in. diameter, mounted in brass sliding tube . . . . .	5	10	0

Extra openings made in any of the above Cameras for the purpose of adapting portrait lenses:—

Size		
6 by 5 inches	} 5s.	9 by 7 inches.
7 by 6 " "		10 by 8 " "
		11 by 9 " "
		} 6s. 6d.



Sliding fronts adapted to the above Cameras for the adjustment of foreground and sky:—

Size			9 by 7 inches	
6 by 5 inches	} 6s. 6d.		10 by 8 "	} 9s.
7 by 6 "			11 by 9 "	

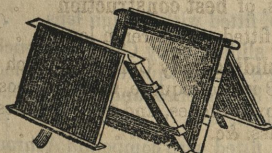


Fig 10.

Double Backs for paper fitted to above Cameras:—(Fig 10.)

7 by 6 inches	£1 0 0	10 by 8 inches	£1 10 0
9 by 7 "	1 5 0	11 by 9 "	1 15 0

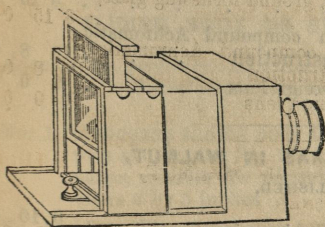


Fig. 11.

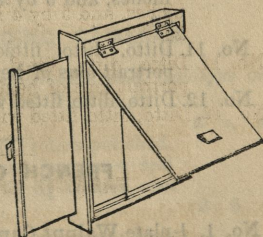


Fig. 12.

## SLIDING BODY OR EXPANDING CAMERAS,

Adapted for portraits by the Collodion or Daguerreotype process.

		£	s.	d.
No. 1.	Sliding body Camera (Fig. 11) of French-polished mahogany with one single (Fig. 12) back 5 inches square, with two loose frames for plates $4\frac{1}{4}$ by $3\frac{1}{4}$ inches, and $3\frac{1}{4}$ by $2\frac{3}{4}$ inches . . . . .	1	5	0
No. 2.	Ditto, ditto, fitted with Achromatic portrait lens of best construction . . . . .	4	0	0
No. 3.	Ditto, ditto, fitted with foreign lens . . . . .	2	6	0

	£	s.	d.
No. 4. Mahogany sliding body Camera, French-polished, with one single back 6 inches square, with two loose frames for plates 5 by 4 inches, and $4\frac{1}{2}$ by $3\frac{1}{2}$ inches, ground focussing glass, &c. . . . .	1	11	6
No. 5. Ditto, ditto, fitted with compound Achromatic portrait lens, of <b>best construction</b> . . . . .	5	5	0
No. 6. Ditto, ditto, fitted with foreign lens . . . . .	3	18	9
No. 7. Mahogany sliding body Camera, French polished, single back 8 inches square, with two loose frames for plates 6 by 5 inches, and 5 by 4 inches, ground focussing glass, &c. . . . .	2	5	0
No. 8. Ditto, ditto, fitted with compound Achromatic lens, for portraits, of <b>best construction</b> . . . . .	7	15	0
No. 9. Ditto, ditto, fitted with foreign lens . . . . .	4	15	0
No. 10. Mahogany Sliding body Camera, French-polished, with one single back 10 inches square, with three loose frames for plates $8\frac{1}{2}$ by $6\frac{1}{2}$ inches, 6 by 5 inches, and 5 by 4 inches, ground focussing glass, &c. . . . .	3	15	0
No. 11. Ditto, ditto, fitted with compound Achromatic portrait lens of <b>best construction</b> . . . . .	15	8	0
No. 12. Ditto, ditto, fitted with foreign lens . . . . .	9	0	0

**FRENCH CAMERAS IN WALNUT,**  
UNPOLISHED.

No. 1. $\frac{1}{4}$ -plate Walnut Camera . . . . .	0	10	0
No. 2. Ditto, fitted with compound lens, for portraits . . . . .	1	4	0
No. 3. $\frac{1}{2}$ -plate Walnut Camera . . . . .	0	14	0
No. 4. Ditto, fitted with compound lens, for portraits . . . . .	2	14	0
No. 5. Whole plate Walnut Camera . . . . .	1	0	0
No. 6. Ditto, fitted with compound lens, for portraits . . . . .	6	0	0

**FRENCH WALNUT WOOD CAMERAS, SQUARE.**

No. 1. $\frac{1}{4}$ -plate square Camera, walnut wood . . . . .	0	14	0
No. 2. Ditto, ditto, fitted with compound Achromatic lens, for portraits up to $4\frac{1}{2}$ by $3\frac{1}{2}$ inches . . . . .	1	8	0
No. 3. $\frac{1}{2}$ -plate walnut Camera, square . . . . .	1	3	0
No. 4. $\frac{1}{2}$ -plate walnut Camera, square, fitted with compound Achromatic lens, for portraits up to $6\frac{1}{2}$ by $4\frac{1}{2}$ inches . . . . .	3	3	0



	£	s.	d.
No. 5. Whole plate square walnut Camera . . .	1	10	0
No. 6. Ditto, ditto, fitted with compound Achromatic lens, for portraits up to $8\frac{1}{2}$ by $6\frac{1}{2}$ inches . . .	6	10	0

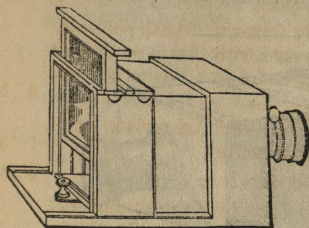


Fig. 13.

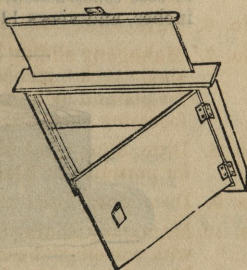


Fig. 14.

### SLIDING BODY OR EXPANDING CAMERAS,

*Adapted for portraits and views by the Collodion and Calotype or Waxed-paper processes.—(Figs. 13 & 14.)*

	£	s.	d.
No. 1. Mahogany sliding body Camera, French-polished, with two single (Fig. 14) dark slides for plates and paper, suitable for portraits $4\frac{1}{4}$ by $3\frac{1}{4}$ inches, and views 6 by 5 inches . . . . .	2	6	0
No. 2. Ditto, ditto, fitted with compound Achromatic lens, of BEST CONSTRUCTION, adapted for either portraits $4\frac{1}{4}$ by $3\frac{1}{4}$ inches, or views 6 by 5 inches . . . . .	5	5	0
No. 3. Mahogany sliding body Camera, with two single dark slides for plates and paper, suitable for portraits 5 by 4 inches, and views 7 by 6 inches . . . . .	2	16	0
No. 4. Ditto, ditto, fitted with compound Achromatic lens, of BEST CONSTRUCTION, adapted for either portraits 5 by 4 inches, or views 7 by 6 inches . . . . .	6	14	0
No. 5. Mahogany sliding body Camera, French-polished, with two single dark slides for plates and paper, suitable for portraits 6 by 5 inches, and views 9 by 7 inches . . . . .	3	10	0
No. 6. Ditto, ditto, fitted with compound Achromatic lens, of BEST CONSTRUCTION, adapted for either portraits 6 by 5 inches, and views 9 by 7 inches . . . . .	9	10	0

£ s. d.

- No. 7 Mahogany sliding body Camera, French-polished, with two single dark slides for plates and paper, suitable for portraits  $8\frac{1}{2}$  by  $6\frac{1}{2}$  inches, and views 11 by 9 inches . . . 5 0 0
- No. 8. Ditto, ditto, fitted with compound Achromatic lens, of best construction, adapted for portraits  $8\frac{1}{2}$  by  $6\frac{1}{2}$  inches, and views 11 by 9 inches . . . 17 12 0

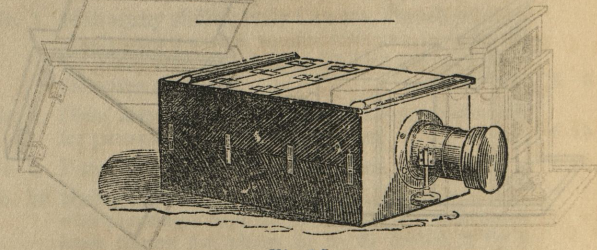


Fig. 15.

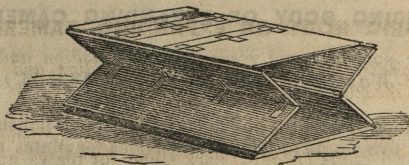


Fig. 16.

### BLAND & CO'S PORTABLE FOLDING CAMERAS.

This form of Camera will be found of great convenience where portability is a desideratum, and consequently most efficient for the purposes of the tourist and traveller.

These instruments are of the best workmanship, and are so constructed as not to warp nor lose their figure when exposed to the sun and weather in any climate.

£ s. d.

- No. 1. Portable folding Camera, (Figs. 15, 16,) of best Spanish mahogany, French-polished with one double back for holding two pieces of prepared paper, sliding front for adjusting foreground and sky, focussing glass, &c., for pictures 7 by 6 inches 3 10 0



	£	s.	d.
No. 2. Ditto, ditto, fitted with single Achromatic lens, mounted in brass sliding tube, for pictures, 7 by 6 inches . . . . .	4	16	0
No. 3. Portable folding Camera, with one double back for holding two pieces of prepared paper, sliding front for adjusting foreground and sky, focussing glass, &c., for pictures 9 by 7 inches . . . . .	4	10	0
No. 4. Ditto, ditto, fitted with single Achromatic lens, 2½ inches diameter, mounted in brass sliding tube, taking pictures 9 by 7 inches . . . . .	6	0	0
No. 5. Portable folding Camera, with one double back for holding two pieces of prepared paper, sliding front for adjusting foreground and sky, focussing glass, &c., for pictures 10 by 8 inches . . . . .	5	10	0
No. 6. Ditto, ditto, fitted with single Achromatic lens, 3 inches diameter, mounted with rackwork adjustment, taking pictures 10 by 8 inches . . . . .	8	17	6
No. 7. Portable folding Camera, with one double back for holding two pieces of prepared paper, sliding front for adjusting foreground and sky, focussing glass, &c., for pictures 11 by 9 inches . . . . .	6	10	0
No. 8. Ditto, ditto, with single Achromatic lens, 3 inches diameter, mounted with rackwork adjustment, taking pictures 11 by 9 inches . . . . .	10	0	0

*This size is particularly recommended as taking the quarter sheet of waxed paper without cutting in the least to waste.*

No. 9. Portable folding Camera, with one double back for holding two pieces of prepared paper, sliding front for adjusting foreground and sky, focussing glass, &c., for pictures 12 by 10 inches . . . . .	7	7	0
No. 10. Ditto, ditto, fitted with single Achromatic lens, mounted with rackwork adjustment, producing pictures 12 by 10 inches . . . . .	11	18	0
No. 11. Portable folding Camera, with one double back for holding two pieces of prepared paper, sliding front for adjusting foreground and sky, ground focussing glass, &c., for pictures 15 by 12 inches . . . . .	8	10	0

- £ s. d.
- No. 12. Portable folding Camera, &c., fitted with single  
 Achromatic lens, mounted in rackwork adjustment,  
 for producing pictures 15 by 12 inches . . . 14 0 0  
 Larger sizes to order.

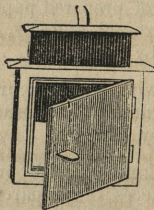


Fig. 17.

Single backs (Fig. 17) for Collodion fitted to the above Cameras with  
 two loose frames:—

For 7 by 6 inches	£0 15 0	For 11 by 9 inches	£1 5 0
9 by 7 “	0 18 0	12 by “	1 7 0
10 by 8 “	1 2 6	15 by 12 “	1 15 0

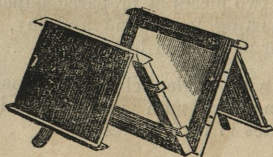


Fig. 18.

Extra double backs (Fig. 18) fitted to the above Cameras:—

For 7 by 6 inches	£1 0 0	For 11 by 9 inches	£1 15 0
9 by 7 “	1 5 0	12 by 10 “	2 0 0
10 by 8 “	1 10 0	15 by 12 “	2 15 0

In the Cameras detailed above there is an extra opening for a short focus compound lens which can readily be adapted to any of them, the price varying with the size lens employed. (See page 7.)

Messrs. BLAND & Co. also fit their compound Achromatic lenses to these Cameras, which render them applicable for taking either portraits or views by merely altering the lens.

Folding and sliding Body Cameras, adapted for landscapes and portraits; these Cameras give a great focal range and are very portable.



	£	s.	d.
No. 1. For pictures 9 by 7 inches, one double and one single back . . . . .	6	0	0
No. 2. For pictures 11 by 9 inches, one double and one single back . . . . .	9	0	0
No. 3. For pictures 12 by 10 inches, one double and one single back . . . . .	10	0	0

**Bland & Co.'s portable folding Cameras**, fitted with compound Achromatic lenses, in handsome brass mounting with rackwork adjustment, and capable of being altered for both portraits and views.

No. 1. <b>Portable folding Camera</b> , of French-polished mahogany, sliding front for adjustment of foreground and sky, one double back for paper and one single back with two loose frames for Collodion, fitted with compound lens of best construction, capable of producing portraits 5 by 4 inches, and views 7 by 6 inches . . . . .	7	10	0
No. 2. <b>Portable folding Camera</b> , of French-polished mahogany, fitted with compound Achromatic lens, of best construction, capable of producing portraits 6 by 5 inches, and views 9 by 7 inches . . . . .	11	10	0
No. 3. <b>Portable folding Camera</b> , of French-polished mahogany, for producing portraits 8½ by 6½ inches, and views 12 by 10 inches . . . . .	22	0	0

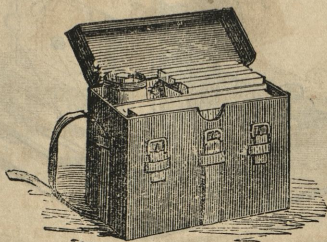


Fig. 19.

### SOLID PATENT LEATHER SLING CASES,

*For folding Cameras. (Fig. 19.)*

	£	s.	d.
No. 1. <b>Solid leather sling Cases</b> , for containing Camera and lens, for pictures 7 by 6 inches . . . . .	1	5	0
No. 2. Ditto, ditto, for pictures 9 by 7 inches . . . . .	1	12	0
No. 3. Ditto, ditto, for pictures 12 by 10 inches . . . . .	2	10	0
Leather sling Cases, for lenses only, 10s., 15s., 17s. 6d. & 20s.			

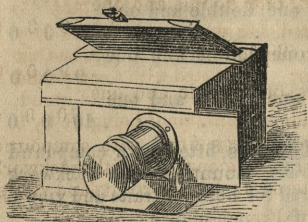


Fig. 20.

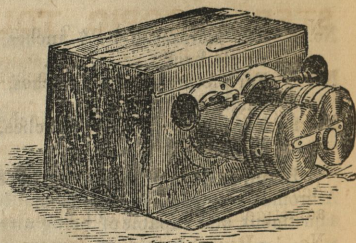


Fig. 21.

### STEREOSCOPIC CAMERAS,

*For producing either portraits or views suitable for the Stereoscope.*

£ s. d.

- No. 1. Stereoscopic Camera, of most simple construction, fitted with compound Achromatic lens in sliding front, one single back for plates, ground focussing glass, &c. (Fig. 20) . . . . . 2 15 0
- No. 2. Stereoscopic Camera, fitted with two compound Achromatic lenses of same focus, one single back for plates, ground focussing glass, &c. (Fig. 21) . . . . . 4 10 0

With this Camera both pictures are taken at the same instant.

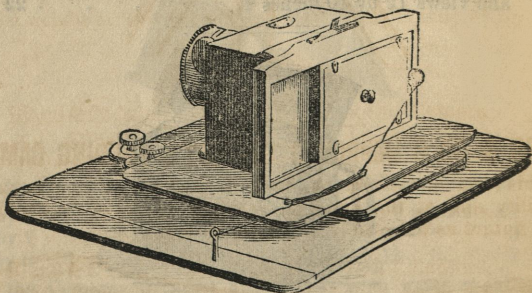


Fig. 22.

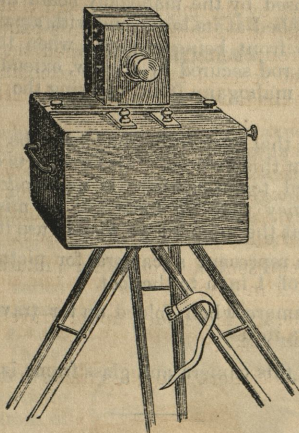
- No. 3. Stereoscopic Camera, of best construction, mounted on boards, with parallel adjustments on Latimer Clarke's principle, with compound Achromatic lens, capable of taking either portraits or views. (Fig. 22) . . . . . 5 0 0

It is necessary to state that the pictures taken by Nos. 1 and 2 require to be reversed when they are mounted, in order to obtain the true stereoscopic effect.



## STEREOSCOPIC TOURIST'S CAMERA.

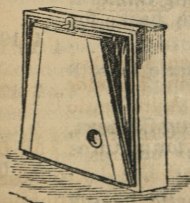
This Camera is admirably adapted for working with the Dry Process; it is constructed on Latimer Clarke's principle, and has six dark slides for prepared plates or paper. It is fitted with a compound Achromatic lens, which, with the camera, backs and top of stand, pack into the mahogany box, the outside measurement being 11 by 9 by 9 inches, £7 7s. and £8 8s.



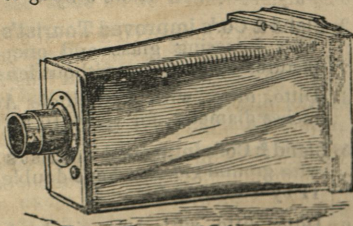
*Fig. 23.*

## BLAND & CO.'S IMPROVED TOURIST'S FOLDING CAMERA.

This form of Camera has been devised with a view to extreme portability, and, at the same time, that the parts of it should be of such a nature as not readily to get out of order.



*Fig. 24.*



*Fig. 25.*

The camera (*Fig. 25*) consists of a frame capable of receiving the ground focussing glass and the dark slide for the prepared plate or paper; to this frame is hinged at its lower part the bottom board of the camera, which also is hinged, so as to fold up more conveniently.

The body of the camera is made of strong black cloth, perfectly impervious to light, and in the form of a truncated pyramid; the large end of it is fastened to the frame that contains the dark slide, and the other is closed by the mahogany board that carries the lens. This board is furnished at its lower end with a pair of lifting hinges, which allow of the front being removed when the camera is to be folded up; a brass rod secured by a screw, extending from the frame at the back to the mahogany front carrying the lens, completes the arrangement.

It will be seen that very little time need be occupied in fitting up and taking down this camera. Also the parts of the arrangement being all connected together, there is no danger of suddenly discovering on a journey that we have lost or mislaid any essential screw or fastening at the moment we wish to use it.

The diagrams represent a camera for pictures 11 in. by 9 in., drawn to the scale of 1 inch to the foot.

*Fig. 24*, the camera when folded up for travelling. *Fig. 25* represents the camera in use.

The weight of this camera and glass frame is only  $4\frac{1}{2}$  lbs.

	£	s.	d.
No. 1. Bland & Co.'s improved Tourist's Folding Camera, with ground glass frame and one double back for plates or paper, for pictures 9 by 7 in., without lens . . . . .	4	0	0
No. 2. Ditto, ditto, fitted with best single Achromatic lens, $2\frac{3}{8}$ diameter, for views 9 by 7 . . . . .	6	0	0
No. 3. Bland & Co.'s improved Tourist's Folding Camera, with focussing glass and one double back, for pictures 10 by 8 in., without lens . . . . .	4	10	0
No. 4. Ditto, ditto, with best single Achromatic lens, 3 inches diameter, for views 10 by 8 . . . . .	7	17	6
No. 5. Bland & Co.'s improved Tourist's Folding Camera, with ground glass and one double back, for pictures 11 by 9 without lens . . . . .	5	0	0
No. 6. Ditto, ditto, with best single Achromatic lens 3 inches diameter, for views 11 by 9 . . . . .	8	7	6



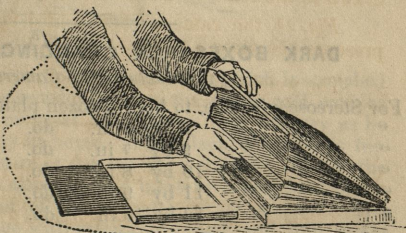
- No. 7. Bland & Co.'s improved Tourist's Folding Camera,  
with ground glass and one double back, or pictures  
12 by 10 without lens . . . . . 6 10 0
- No. 8. Ditto, ditto, with best single Achromatic lens  $3\frac{1}{2}$   
inches diameter, for pictures 12 by 10 . . . . . 11 0 0

\*\*\* Larger sizes made to order.

### APPARATUS FOR CHANGING THE PAPERS IN THE PAPER PROCESS.

(Figs. 26, 27, and 27A.)

Everybody who has worked with the waxed or any other paper process, has found the difficulty of changing his sensitive papers while on an excursion. The Changing Apparatus figured in margin may be used with perfect ease and success in the most blazing sun, without danger of injury to the sensitive surface; it consists of a portfolio of two compartments arranged in a light wood box, the cover of which lifts up, (as shown in *Fig. 26*). To the open end of this box is fastened a yellow calico bag, having an aperture secured by a ring of vulcanized India-rubber at one side near the end. The portfolio occupies the bottom of the box, and when not in use the calico bag is folded up and rests on the top of it, and allows the lid of containing box to shut (as shown at *Fig. 27*). There is a yellow glass window in the lid, which enables the operator to see what he is about while changing his papers.



*Fig. 26.*

The method of using the Changing Apparatus is as follows:—The upper compartment of the portfolio contains the sensitive papers face downwards, a sheet of blotting paper being placed between each; the dark slide of the Camera is now inserted through the opening in the yellow bag, and is followed by the right hand of the operator, who with his left raises the lid of the containing box. The door of the slide being now opened, the paper which has undergone exposure may be slipped into the under compartment of the portfolio, and a fresh piece substituted from the upper one; any number can be thus

changed without trouble or the danger of injury to the sensitive surface. The space occupied by this simple piece of apparatus is extremely small, and the weight is a mere trifle.

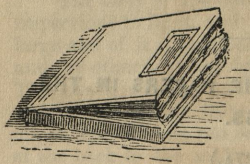


Fig. 27.

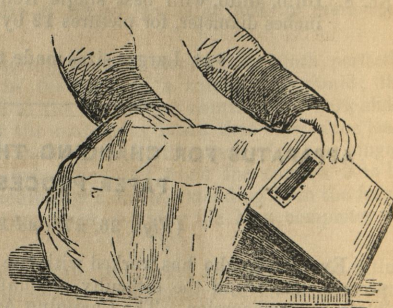


Fig. 27A.

Price of Changing Apparatus for	9 by 7 in. Camera	. 0 12 0
Ditto ditto	10 by 8 in. ditto	. 0 15 0
Ditto ditto	12 by 10 in. ditto	. 1 0 0

### DARK BOXES FOR CHANGING GLASS PLATES,

(Not inclusive of Camera back.)

For Stereoscopic size, to hold 1 dozen plates	.	.	.	2 2 0
" size 7 by 6 in. do.	.	.	.	2 10 0
" " 9 by 7 in. do.	.	.	.	3 3 0
" " 10 by 8 in. do.	.	.	.	3 7 6
" " 11 by 9 in. do.	.	.	.	4 4 0
" " 12 by 10 in. do.	.	.	.	5 0 0

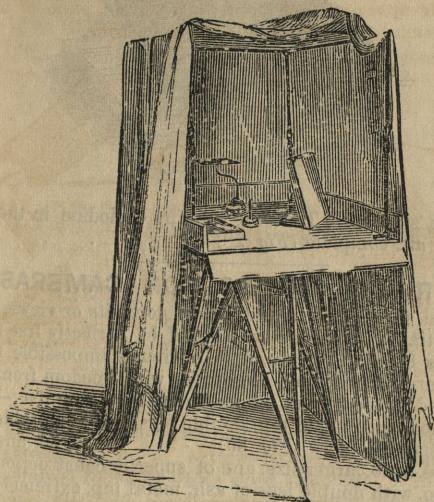
### BLAND AND CO.'S NEWLY-INVENTED PORTABLE DARK TENT,

*For working the Collodion process in the open country. (Fig. 28.)*

A good substitute for a dark room has long been a desideratum to the photographer in Collodion, and we have much pleasure in submitting the present invention to the notice of photographers generally, as combining all that can be required for the purposes of open air work.

The Tent consists of a strong and roomy table, mounted on a firm Tripod Stand; from the top of the table at each corner rise four



*Fig. 28.*

jointed spring supports, these support a frame over which is stretched yellow calico; a black calico envelope covers the whole, and enables the operator to work with as great ease in the open country as he would in his own laboratory at home. The black envelope is furnished with a circular aperture at the top for admitting light to the interior of the tent, there is also a curved bar which keeps the covering from touching the head of the operator while at work. The envelope is bound at its edge with strong webbing, and iron spikes are attached at intervals in order to secure it to the ground and prevent the wind and light from getting into the tent.

When not in use, the springs that support the yellow calico chamber double inwards and fall quite flat, like an opera hat; the legs of Tripod then fold up and are laid on top; finally, the black calico envelope is folded up and laid over these immediately under the cover which secures the whole, the table of the tent forming the containing box. These tents have been in use for some time, and we can pronounce them to answer perfectly and to fulfil all the conditions required in such an apparatus.

The extreme size of outside containing box of a tent, suitable for an operator 6 feet high, is 24 by 18 by 4 inches, forming a very portable and compact case. (*Fig. 29.*)

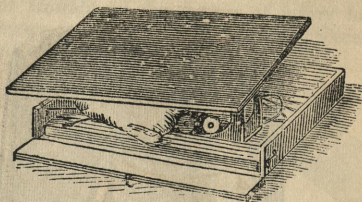


Fig. 29.

£ s. d.

BLAND & Co.'s portable Tent, for working Collodion in the open air, complete (Fig. 28)

4 4 0

### TRIPOD STANDS FOR CAMERAS.

To ensure success in taking either portraits or views, it is absolutely essential that the Camera should be perfectly free from vibration; if this be not the case, it is obviously impossible to obtain a perfectly sharp impression. Lightness, with freedom from vibration, are combined in the Stands offered in the following list:—

- |  |             |        |
|--|-------------|--------|
| No. 1. Tripod, with metal top, double legs of ash, suitable for small Camera (Fig. 30)   | 7s. 6d. and | 0 10 0 |
| No. 2. Ditto, ditto, larger size, and of superior construction   |             | 0 14 0 |
| No. 3. Ditto, with double legs of ash, metal top, extremely firm and free from vibration, suitable for any size Camera, forming when apart a very portable stand |             | 1 2 6  |
| No. 4. Folding ditto, double legs of ash, very firm and portable, can be packed in ordinary portmanteau (Fig. 31)  |             | 1 8 0  |

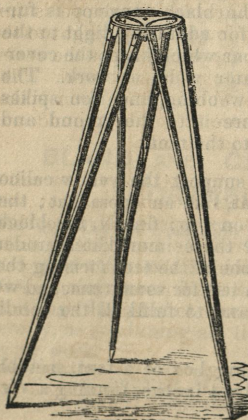


Fig. 30.

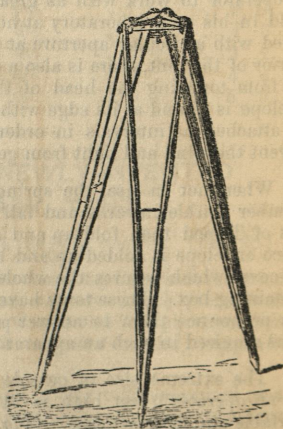


Fig. 31.



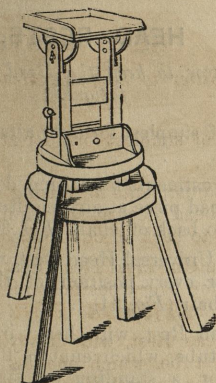


Fig. 32.

	£	s.	d.
No. 5. Table ditto, with every adjustment for raising or depressing Camera, extremely convenient for an operating room, in white wood ( <i>Fig. 32</i> ) . . .	1	0	0
No. 6. Ditto, ditto, in oak, very strong indeed . . .	1	7	6



Fig. 33.

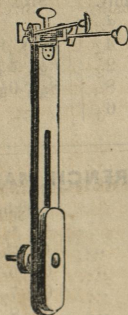


Fig. 34.

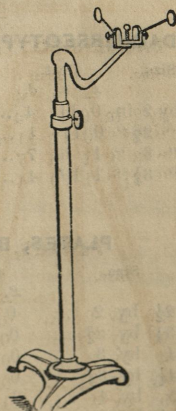


Fig. 35.

## HEAD RESTS,

*For enabling the Sitter to keep the Head in one position without fatigue.*

	£	s.	d.
No. 1. Head Rest of simplest form for attaching to back of chair . . . . .	0	2	0
No. 2. Ditto with adjustments for raising, depressing, and placing the head piece at any required inclination, or attaching to back of chair ( <i>Fig. 33</i> ) . . . . .	0	5	0
No. 3. Bland & Co.'s Universal Head Rest, with means of adjustment for every position of the sitter, for attaching to chair ( <i>Fig. 34</i> ) . . . . .	1	2	6
No. 4. Universal Head Rest, with heavy iron foot, and brass sliding tube, which enables this rest to be used either for a standing or sitting posture ( <i>Fig. 35</i> ) . . . . .	3	3	0

## APPARATUS USED IN THE DAGUERREOTYPE.

Under this head are enumerated all the apparatus, materials, and preparations required by the Photographer in operating on Silvered Plates.

### DAGUERREOTYPE PLATES, ENGLISH MANUFACTURE.

Size.	Best.	2nd quality.	Size.	Best.	2nd quality.
	£ s. d.	£ s. d.		£ s. d.	£ s. d.
2½ by 2 in.	0 11 4	0 11 4	5 by 4	2 2 9	2 0 10
3½ " 2¾ "	0 17 1	0 15 2	6½ " 4¾ "	3 1 9	2 17 0
4 " 3 " 1	6 7	1 5 8	8½ " 6½ "	5 4 6	4 15 0
4½ " 3½ "	1 10 4	1 8 6	—	—	—

### PLATES, BEST FRENCH MANUFACTURE.

Size.	40ths.	30ths.	Electro-Plated.
	£ s. d.	£ s. d.	£ s. d.
2½ by 2	0 3 0	0 3 4	0 4 3
3½ by 2¾	0 4 8	0 5 1	0 7 3
4 by 3	0 7 7	0 7 8	0 8 11
4½ by 3½	0 8 1	0 8 1	0 9 4
5 by 4	0 10 2	0 11 6	0 13 7
6½ by 4¾	0 14 10	0 15 9	0 17 10
8½ by 6½	1 10 10	1 11 0	1 14 0



# APPARATUS USED IN DAGUERRETYPE.

## PLATE BOXES.

Each containing grooves for 12 plates.

Size.			Mahogany.				Walnut Wood.		
			£	s.	d.		£	s.	d.
2½	by 2 inches.	...	0	2	3	...	0	1	0
3¼	by 2¾	"	0	2	8	...	0	1	2
4	by 3	"	0	3	0	...	0	1	3
4¼	by 3¼	"	0	3	2	...	0	1	4
5	by 4	"	0	3	5	...	0	1	6
6½	by 4¾	"	0	4	2	...	0	1	11
8½	by 6½	"	0	4	10	...	0	2	3

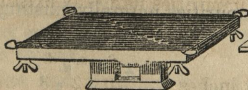


Fig. 36.

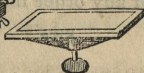


Fig. 37.

## PLATE HOLDERS.

Plate Holders, of wood, with brass corners and clamp to fix to table while cleaning or polishing. (*Fig. 36.*)

					£	s.	d.
No. 1.	For plates 2½ by 2 inches	...	...	...	0	1	2
No. 2.	" 3¼ by 2¾	"	...	...	0	1	4
No. 3.	" 4 by 3	"	...	...	0	1	6
No. 4.	" 4¼ by 3¼	"	...	...	0	1	7
No. 5.	" 5 by 4	"	...	...	0	1	10
No. 6.	" 6½ by 4¾	"	...	...	0	2	3
No. 7.	" 8½ by 6½	"	...	...	0	2	5

Simple polishing block, for holding the plate while buffing,  
1s. 2d. and 1s. 10d.

Metal plate holders, for use with circular buffs, in the lathe, or for securing the plate while buffing by hand, of superior make.

(*Fig. 37.*)

						£	s.	d.
For plates,	2½ by 2 inches	.	.	.	.	0	4	6
"	3¼ by 2¾	"	.	.	.	0	5	3
"	4 by 3	"	.	.	.	0	6	0
"	5 by 4	"	.	.	.	0	7	6
Handle of hard wood, with steel pin for use with ditto						0	0	9

	£	s.	d.
Apparatus for bending the edges of thin French plates, to prevent injury to the buff . . . . .	0	5	7
Pliers of an improved form, for bending the corners of plates, and also for holding the plate in drying . . . . .	0	1	6



Fig. 38.

**BUFFS.** (*Fig. 38.*)

The materials used in covering these buffs are rendered free from grease and any other impurities naturally existing in them.

Size.	Velvet.			Doeskin.		
	£	s.	d.	£	s.	d.
No. 1. 12 inches by 3 inches . . . . .	0	2	3	0	3	9
No. 2. 15 " 3 . . . . .	0	3	0	0	4	6
No. 3. 16 " 4 . . . . .	0	3	4	0	5	7
No. 4. 9 " 6 . . . . .	0	3	9	0	6	0
Best carded cotton wool . . . . . per lb.	0	2	6			
Hard wood sifting boxes, for containing polishing powders . . . . . each	0	1	4			

Materials for polishing plates (*see page 59.*)

**IODINE AND BROMINE PANS.**

Porcelain dishes for Iodine or Bromine, with ground glass covers from . . . . .	0	1	6
Glass dishes with air-tight covers:—			
4½ by 3½ by 2 inches . . . . . each	0	6	6
7 by 5 by 3 " . . . . . "	0	8	0
8½ by 6½ by 3 " . . . . . "	0	16	10

**IODINE AND BROMINE BOXES.**

Single Iodine or Bromine box, of French-polished mahogany, with glass pan, ground glass air-tight cover, and mirror for viewing the plate while under the influence of the vapour:—

	£	s.	d.
For plates 4½ by 3½ inches downwards . . . . .	0	15	9
" 6½ by 4½ " " . . . . .	1	2	6
" 8½ by 6½ " " . . . . .	1	19	0



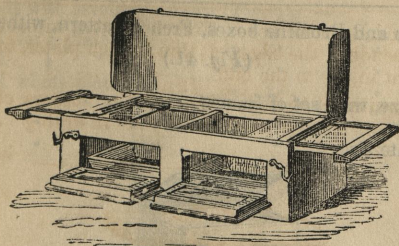


Fig. 39.

### COMPOUND IODINE AND BROMINE BOXES.

This form of Bromine box is extremely convenient, as it enables the operator to readily change the plate from the Iodine to the Bromine without exposure, and at the same time to see the colour produced by the vapour.

Compound Iodine and Bromine box, of French-polished mahogany, with glass pans, polished sides, mirrors, and sets of frames, &c., complete:—(Fig. 39.)

	£.	s.	d.
For plates $4\frac{1}{2}$ by $3\frac{1}{4}$ inches, and under	1	13	9
“ $6\frac{1}{2}$ by $4\frac{3}{4}$ “ “	2	10	0
“ $8\frac{1}{2}$ by $6\frac{1}{2}$ “ “	4	4	0

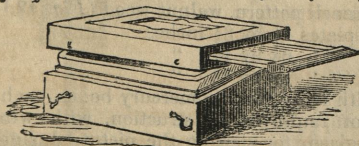


Fig. 40.

Single Iodine or Bromine boxes, French pattern, without mirrors.

(Fig. 40.)

	Delf pans.		
	£	s.	d.
For $\frac{1}{2}$ plate size, with set of frames	0	5	6
$\frac{1}{2}$ plate “ “	0	6	6
whole plate size “	0	9	6

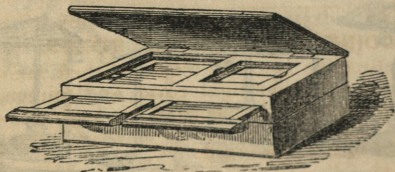


Fig. 41.

Double Iodine and Bromine boxes, French pattern, without mirrors.

(Fig. 41.)

	£	s.	d.
For $\frac{1}{4}$ plate size, with set of frames . . . . .	0	11	6
$\frac{1}{2}$ plate " " . . . . .	0	14	6
whole plate size " . . . . .	0	17	6

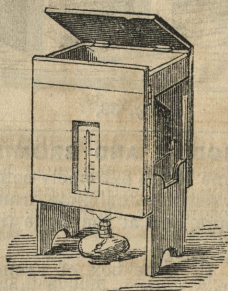


Fig. 42.

### MERCURY BOXES.

Mercury Box, French pattern, walnut wood (Fig. 42.):

No. 1. for plates $4\frac{1}{4}$ by $3\frac{1}{2}$ inches . . . . .	0	5	0
No. 2. " $6\frac{1}{2}$ by $4\frac{3}{4}$ " . . . . .	0	7	0
No. 3. " $8\frac{1}{2}$ by $6\frac{1}{2}$ " . . . . .	0	10	6

Thermometers with ivory scale to mercury boxes, each . . . . . 0 5 6

Mercury boxes of improved construction, with window and yellow glass, for viewing the picture during the action of the mercury:—

No. 1. for plates $4\frac{1}{4}$ by $3\frac{1}{4}$ inches . . . . .	0	15	9
No. 2. " $6\frac{1}{2}$ by $4\frac{3}{4}$ " . . . . .	1	0	0
No. 3. " $8\frac{1}{2}$ by $6\frac{1}{2}$ " . . . . .	1	6	3

### MISCELLANEOUS APPARATUS.

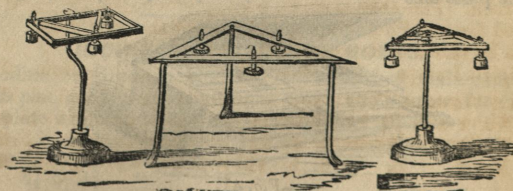
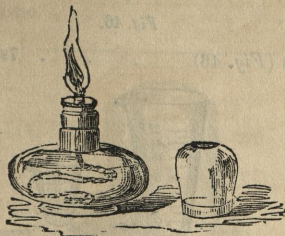


Fig. 43.



Fixing Stands with levelling screws (*Fig. 43*) :—

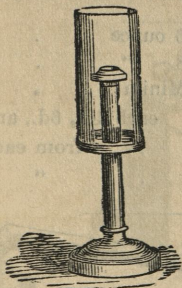
	£	s.	d
No. 1. for $\frac{1}{4}$ plate size . . . . .	0	3	0
No. 2. $\frac{1}{2}$ " . . . . .	0	4	0
No. 3. whole plate size . . . . .	0	7	6



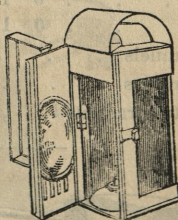
(*Fig. 44.*)

Glass Spirit Lamps, each 9d., 1s. 2d., 1s. 6d., 1s. 10d., to . 0 3 9

*Fig. 44.*



*Fig. 47.*



*Fig. 45.*

Gas Jets, with metal chimney and gauze, with flexible tube, for burning off plates without smoke . . . . . each	0	8	0
Lanterns furnished with yellow glass shades, for use in dark room ( <i>Fig. 45</i> ) . . . . .	0	3	6
Improved form of Photographic Lamp where the ruby glass can be raised or depressed ( <i>Fig. 47</i> ) . . . . .	0	7	6
Brass Spirit Lamps . . . . . from	0	2	0

Porcelain Washing Pans :—

No. 1 size $5\frac{1}{2}$ by $4\frac{1}{2}$ by $1\frac{1}{8}$ . . . . .	0	0	11
No. 2 " $7\frac{1}{2}$ by 6 by $1\frac{1}{8}$ . . . . .	0	1	6
No. 3 " 10 by 8 by $1\frac{1}{8}$ . . . . .	0	2	0

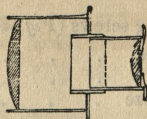


Fig. 46.

Focussing Glasses (*Fig. 46*) . . . . . 7s. 6d. and £ s. d.  
0 10 6

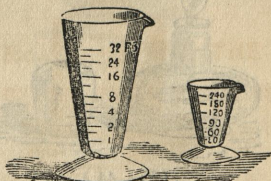


Fig. 48.

### GLASS GRADUATED MEASURES. (*Fig. 48.*)

	£	s.	d.		£	s.	d.
1 ounce . . . . .	0	1	0	6 ounce . . . . .	0	2	0
2 " . . . . .	0	1	3	8 " . . . . .	0	2	6
4 " . . . . .	0	1	9	Minim . . . . .	0	1	0
Glass Funnels . . . . .				each 4d., 6d., and	0	0	9
Ditto Syringes . . . . .				from each	0	0	6
Ditto ditto, graduated				"	0	1	0



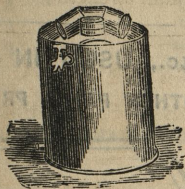
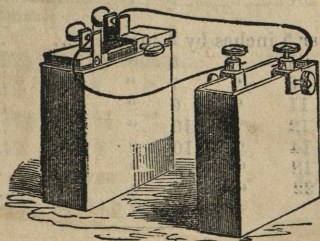
Fig. 49.

### STILLS.

It is found very convenient frequently to have at hand the means of obtaining pure water at a trifling cost; this desideratum is acquired in a very economical way by the use of a small still, which can be placed over a common fire.



	£	s.	d.
Tin Still to hold half a gallon, with worm tub complete, for use over the common fire ( <i>Fig. 49.</i> )	0	14	0
Ditto, ditto, one gallon	0	17	6
Ditto, ditto, two ditto	1	2	0
Copper ditto, half ditto	1	4	0
Ditto, ditto, one ditto	1	13	6

*Fig. 50.***PORTABLE STILL, PACKED FOR TRAVELLING. (*Fig. 50.*)***Fig. 51.***ELECTRO-SILVERING APPARATUS,**

*For giving a coating of pure silver to Daguerreotype plates, and also re-silvering used-up plates.*

Smee's Batteries, No. 1, 6s. 6d.; No. 2, 9s. 6d.	£	s.	d.
Glass Cells, fitted with binding screws complete:—	0	5	6
For plates $4\frac{1}{2}$ by $3\frac{1}{4}$ inches	0	7	6
Glass Cells, &c., for plates $6\frac{1}{2}$ by $4\frac{1}{2}$ inches	0	15	0
Ditto " $8\frac{1}{2}$ by $6\frac{1}{2}$ "			

				£	s.	d.
Porcelain Cells, fitted as above :—						
For plates $4\frac{1}{4}$ by $3\frac{1}{4}$ inches	.	.	.	0	4	0
Ditto $6\frac{1}{2}$ by $4\frac{3}{4}$ "	.	.	.	0	6	0
Pure silver foil for the above	.	.	per oz.	0	10	0
Argento-Cyanide of Potassium	.	.	per pint	0	10	0
Ditto, ditto, full strength	.	.	" oz.	0	1	0

### APPARATUS, &c., USED IN THE CALOTYPE AND OTHER PAPER PROCESSES.

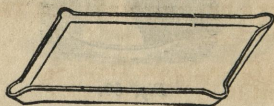


Fig. 52.

#### Porcelain Pans. Deep for Washing.

				£	s.	d.
No. 1.	For paper 5 inches by 4 inches	...	...	0	0	11
No. 2.	" 7 " 6 "	...	...	0	1	6
No. 3.	" 9 " 7 "	...	...	0	1	10
No. 4.	" 11 " 9 "	...	...	0	3	6
No. 5.	" 12 " 10 "	...	...	0	5	0
No. 6.	" 14 " 10 "	...	...	0	9	6
No. 7.	" 18 " 13 "	...	...	0	15	0
No. 8.	" 22 " 17 "	...	...	1	5	0

#### Porcelain Pans. Shallow, for preparing Papers.

No. 1.	For paper 5 inches by 4 inches	...	...	0	0	9
No. 2.	" 7 " 6 "	...	...	0	1	4
No. 3.	" 9 " 7 "	...	...	0	1	6
No. 4.	" 11 " 9 "	...	...	0	2	9
No. 5.	" 12 " 10 "	...	...	0	3	6
No. 6.	" 14 " 10 "	...	...	0	5	0
No. 7.	" 18 " 15 "	...	...	0	17	0
No. 8.	" 21 " 17 "	...	...	1	1	0

**Glass Dishes.** The advantage possessed by these dishes is, that they are entirely unacted upon by the chemicals employed, and



therefore can be used for different solutions one after another, without risk of the admixture which is so likely to take place when the pans are of porcelain.

			£	s.	d.
No. 1.	10	by 8 by 1 in., inside measurement	.	0	5 0
No. 2.	10	by 8 by 2 " " "	.	0	6 0
No. 3.	12	by 10 by 1 " " "	.	0	7 0
No. 4.	12	by 10 by 2 " " "	.	0	7 6
No. 5.	13½	by 11 by 2 " " "	.	0	12 0
No. 6.	16	by 13½ by 2 " " "	.	1	0 0

### GUTTA PERCHA WASHING TRAYS.

		£	s.	d.
No. 1	Nest of three Gutta Percha Trays:— Size of largest 10 by 8 by 1½ inches	.	0	9 0
No. 2.	Nest of three Gutta Percha Trays:— Size of largest, 11 by 9 by 1¾ inches	.	0	12 0

Gutta Percha Pans, of very superior finish, with perfectly flat and polished bottoms.

		£	s.	d.
No. 1.	size 12½ by 10½ inches	.	0	7 6
No. 2.	" 12 by 10 "	.	0	6 6
No. 3.	" 11½ by 9½ "	.	0	5 6
No. 4.	" 11 by 9 "	.	0	4 0
Or nest of four of above sizes		.	1	1 0
No. 5	" 19¼ by 14¼ by 2 inches	.	0	18 0

### GUTTA PERCHA FUNNELS.

Gutta Percha Funnels, each 4d., 6d., 1s., 1s. 2d., and 1s. 7d.

Gutta Percha Dipping Troughs. (See page 46.)

Glass Rods for the spreading of solutions on paper, each 3d., 4d., and 0 0 9

Boards for the preparation of paper:—

		s.	d.
No. 1.	For paper 7 by 6 inches	.	0 9
No. 2.	" 8 by 7 "	.	1 0
No. 3.	" 10 by 8 "	.	1 3
No. 4.	" 11 by 9 "	.	1 6

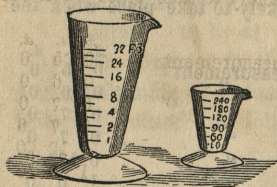


Fig. 54.

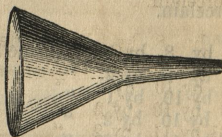


Fig. 55.



Fig. 56.

Glass Graduated Measures, (Fig. 54) accurately divided.

	s.	d.		s.	d.
Contents 1 ounce . . .	1	0	Contents 8 ounces . . .	2	6
“ 2 ounces . . .	1	3	“ 20 oz. cylindrical . . .	3	6
“ 4 “ . . .	1	9	Minim measure, 120 drops . . .	1	0
“ 6 “ . . .	2	0	“ 240 “ . . .	1	0

## GLASS FUNNELS,

*Ribbed inside, for filtering. (Fig. 55.)*

	s.	d.
No. 1. 2 inches diameter . . .	0	4
No. 2. 2½ “ . . .	0	5
No. 3. 4 “ . . .	0	6
No. 4. 5 “ . . .	0	8
No. 5. 6 “ . . .	1	0
No. 6. 7 “ . . .	1	3

Funnels, Wedgwood, cream colour, ribbed inside:—

	s.	d.
No. 1. 2 inches diameter . . .	0	4
No. 2. 3½ “ . . .	0	6
No. 3. 4 “ . . .	0	8
No. 4. 5 “ . . .	1	0
No. 5. 6 “ . . .	1	6
No. 6. 6½ “ . . .	1	10

Filter Holders, (Fig. 56) very useful for filtering small quantities of liquid . . . each 3d., 4d., and 6d.

Glass Syringes, for taking up definite quantities of solutions.  
Plain, from 6d.; Graduated, from 1s.



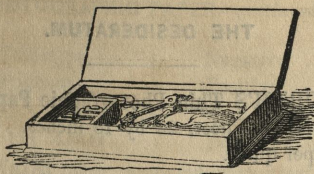


Fig. 57.

**SCALES AND WEIGHTS.**

		£	s.	d.
No. 1.	In oak box, metal pans . . . . .	0	2	6
No. 2.	Ditto " . . . . .	0	4	0
No. 3.	Ditto glass pans (Fig. 57) . . . . .	0	5	9
No. 4.	Mahogany box " . . . . .	0	9	0
No. 5.	Ditto, with brass pillar and glass shifting pan, with drawer . . . . .	1	10	0

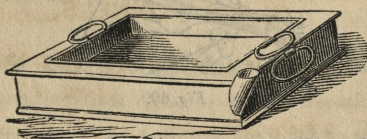


Fig. 58.

Double Zinc Dish for Waxing Paper, (Fig. 58,) very convenient . . . . .	0	10	0
Ditto, ditto, with plated inner dish . . . . .	1	0	0
Horn Forceps, for manipulating with waxed paper, (Fig. 59,) 9d. each.			



Fig. 59.

**CAMELS' HAIR BRUSHES,***Made expressly for Calotype.*

	s.	d.		£	d.
1½ inches broad, each . . . . .	1	6	3 inches broad, each . . . . .	2	6
2 " " . . . . .	1	9	4 " " . . . . .	3	6
2 " " . . . . .	2	3	5 " " . . . . .	4	6
2½ " " . . . . .			Thick round ditto, each 1s. and 1s. 6d.		

### THE DESIDERATUM.

**HOLLINGWORTH'S Thin Photographic Paper**, for Positives or Negatives. Size of Sheet, 22 by 18 inches. Price £3 10s. per Ream, or 3s. 6d. per quire.

This magnificent paper has been manufactured expressly for Photographic purposes, and with the utmost care. It is uniform in texture, contains no colouring matter, is chemically pure, and free from spots. For **NEGATIVES** it gives intense blacks, pure whites, beautiful half tones, and definition scarcely inferior to glass. For **POSITIVES**, whether plain or albumenized, it gives clean, sharp, and vigorous pictures.

Amateurs are cautioned against purchasing the **THICK** paper by the same makers.



Fig. 60.

Buckle's Brushes (*Fig. 60.*) for spreading solutions, each

£	s.	d.
0	1	6

### PHOTOGRAPHIC PAPER.

As much of the success of the Calotype, waxed paper, and other paper processes, depends on the nature of the material on which the sensitive compound is spread, a careful selection of papers from the most eminent makers has been made, combining fineness of surface and evenness of texture, with a proper tenacity to allow of the necessary washings to which the paper is exposed in the various manipulations.

		Per quire.		
		£	s.	d.
CANSON FRÈRES, size 22½ by 17½ inches	}	Negative . . .	0	3 0
		Positive . . .	0	3 6
WHATMAN'S size 22 by 18 inches	}	Negative . . .	0	3 6
		Positive . . .	0	3 6



**PHOTOGRAPHIC PAPER—continued.**

		£	s.	d.
TURNER's patent Talbotype,	}	Negative . .	0	2 6
size 15 by 9 inches		Positive . .	0	1 6
Papier Saxe,	}	Negative . .	0	4 0
size 22½ by 17½ inches		Positive . .	0	5 0
BLAND & Co.'s Waxed paper, prepared with great care,				
size 17½ by 11 inches . . . . .			0	7 0
BLAND & Co.'s Iodized Waxed paper, size 17½ by 11 in. . .			0	14 0
BLAND & Co.'s Iodized paper,				
Size 7 by 6 inches, 2s. 6d. doz.	Size 10 by 8 inches, 6s. doz			
9½ by 7½ " 4s. 0d. "	15 by 12 " 9s. "			
White Bibulous paper, prepared free from iron or other				
impurities . . . . .	per quire	0	1	3
Papier Joseph . . . . .	"	0	1	0
Solution for Iodizing paper, for Calotype, . . . . .	per ounce	0	1	6
" " Waxed paper . . . . .	per pint	0	4	6
" for rendering the above sensitive " . . . . .		0	9	6

**BLAND & CO.'S ALBUMENIZED PAPER,***For printing from Glass or Paper Negatives.*

The great superiority of the definition obtained by this method of printing over that of the ordinary process, renders it necessary that all pictures—where great minuteness of detail is essential to their successful effect—should be printed on Albumenized paper. It is easily rendered sensitive, and being prepared with Salts of Baryta will give every colour and tone from a sepia to a perfect black.

	£	s.	d.
Size 22½ by 17½ inches . . . . . per quire	0	12	0
17½ by 11 . . . . . " "	0	6	0
11 by 9 . . . . . " "	0	3	0

**REVERSING OR PRINTING FRAMES.**

These frames are so constructed that a uniform pressure may be obtained, thus ensuring perfect contact between the positive and negative papers. The back boards of these frames are so arranged that the progress of the picture may be watched without danger of shifting the papers.

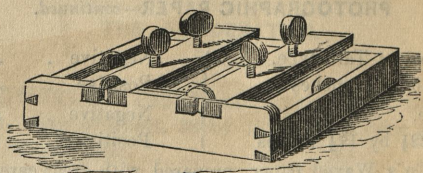


Fig. 61.

### Reversing Frames in French-polished Mahogany (Fig. 61):—

		£	s.	d.
No. 1.	For pictures, 7 by 6 inches	0	7	6
2.	“ 9 by 7 “	0	9	6
3.	“ 10 by 8 “	0	12	0
4.	“ 12 by 10 “	0	16	6
5.	“ 14 by 12 “	1	1	0

### Reversing Frames in White Wood, hinged backs for viewing progress of picture :—

		£	s.	d.
No. 1.	size of glass, 6 by 5 inches . .	0	5	0
2.	“ 7 $\frac{3}{4}$ by 6 $\frac{1}{2}$ “ . .	0	6	6
3.	“ 10 $\frac{1}{2}$ by 8 “ . .	0	7	6
4.	“ 11 $\frac{1}{2}$ by 9 $\frac{1}{2}$ “ . .	0	11	6

## APPARATUS USED FOR THE COLLODION AND ALBUMEN PROCESSES.

In the following List will be found all the necessary materials and apparatus for use in both the Collodion and Albumenized Glass processes.

Glass Plates, with ground edges, best patent plate, free from specks :

	PER DOZ.		PER DOZ.
	s. d.		s. d.
Size 3 $\frac{1}{2}$ by 2 $\frac{3}{4}$ inches	1 3	Size 7 by 6 inches	5 3
“ 4 by 3 “	1 6	“ 8 $\frac{1}{2}$ by 6 $\frac{1}{2}$ “	6 6
“ 4 $\frac{1}{4}$ by 3 $\frac{1}{4}$ “	1 9	“ 9 by 7 “	7 6
“ 5 by 4 “	2 3	“ 10 by 8 “	11 6
“ 6 by 5 “	3 6	“ 12 by 10 “	17 0
“ 6 $\frac{1}{2}$ by 4 $\frac{3}{4}$ “	3 6		



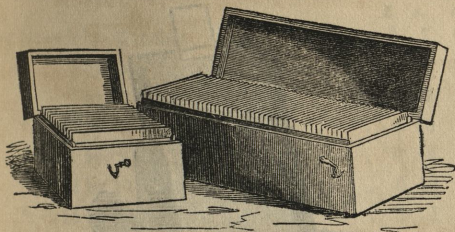


Fig. 62.

Boxes for holding Glass Plates, White Wood, with Grooves for One Dozen Plates (Fig. 62):—

### BOXES FOR GLASS PLATES.

		s.	d.			s.	d.
No. 1.	size $3\frac{1}{4}$ by $2\frac{3}{4}$ in.	1	6	No. 6.	size 6 by 5 in.	2	6
2.	" 4 by 3 "	1	9	7.	" 7 by 6 "	3	0
3.	" $4\frac{1}{2}$ by $3\frac{1}{4}$ "	1	9	8.	" $8\frac{1}{2}$ by $6\frac{1}{2}$ "	3	6
4.	" 5 by 4 "	2	0	9.	" 9 by 7 "	3	6
5.	" $6\frac{1}{2}$ by $4\frac{3}{4}$ "	2	6	10.	" 10 by 8 "	4	6

### GUTTA PERCHA DIPPING BATHS,

Inclined, with bracket supports and glass dippers (Fig. 33):—

No.	size,	for plates	by	inches	£	s.	d.
No. 1.	size, for plates	4	by	3 inches	.	0	2 6
2.	"	5	by	4 "	.	0	3 0
3.	"	6	by	5 "	.	0	4 0
4.	"	$8\frac{1}{2}$	by	$6\frac{1}{2}$ "	.	0	6 6
5.	"	9	by	7 "	.	0	7 6
6.	"	10	by	8 "	.	0	9 6
7.	"	12	by	10 "	.	0	14 0
8.	"	14	by	12 "	.	0	19 0
9.	for Stereoscopic plates	.	.	.	.	0	3 6

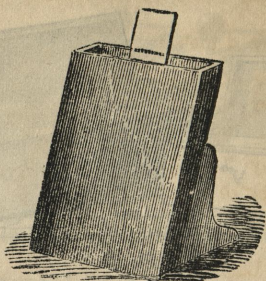


Fig. 63.

**Glass Dipping Baths, fitted in Mahogany stands, with glass dippers:—**

		£	s.	d.
No. 1.	size for plates 4 by 3 inches	0	3	0
2.	" 5 by 4 "	0	4	0
3.	" 6 by 5 "	0	5	6
4.	" 9 by 7 "	0	10	6
5.	" 10 by 8 "	0	15	0
6.	" 12 by 10 "	0	17	6
7.	" 14 by 12 "	1	5	0

**Glass Dippers, for plunging the plates into the Bath of Nitrate of Silver:—**

		£	s.	d.
No. 1.	size, for plates 5 by 4 inches	0	0	6
2.	" 7 by 6 "	0	0	9
3.	" 10 by 8 "	0	1	6
4.	" 12 by 10 "	0	2	0

**Silver Dippers, made of pure silver wire, from 10s. each.**

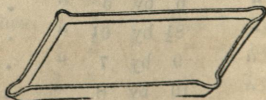


Fig. 64.

**Porcelain Pans, for washing (see page 38).**



## Improved Water-tight Gutta Percha Baths, for travelling.

				£	s.	d.
For plates 5 by 4 inches	.	.	.	0	7	6
" 6 by 5 "	.	.	.	0	9	6
" 9 by 7 "	.	.	.	0	12	0
" 10 by 8 "	.	.	.	0	13	6
" 11 by 9 "	.	.	.	0	16	0
" 12 by 10 "	.	.	.	0	18	6
" 15 by 12 "	.	.	.	1	1	0

## Water-tight Glass Baths, in Mahogany Cases, French polished.—

					£	s.	d.
For plates 5 by 4	...	...	...	...	1	0	0
" 6½ by 4¾	...	...	...	...	1	10	0
" 9 by 7	...	...	...	...	2	0	0
" 10 by 8	...	...	...	...	2	10	0
" 11 by 9	...	...	...	...	2	15	0
" 12 by 10	...	...	...	...	3	3	0

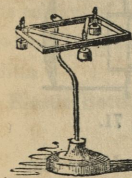


Fig. 65.

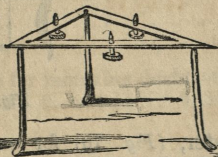


Fig. 66.

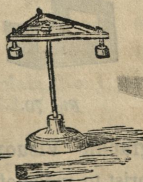


Fig. 67.

## LEVELLING STANDS,

With adjusting Screws, for laying plates with Albumen, and developing  
Collodion pictures.

No.	1.	size,	for plates up to 5 by 4 inches	(Fig. 67)	s.	d.
2.	"	"	7 by 6 "	(Fig. 65)	4	0
3.	"	"	9 by 7 "	(Fig. 66)	7	6
4.	"	"	12 by 10 "	(Fig. 66)	8	6

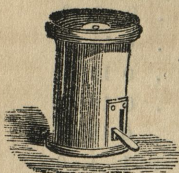


Fig. 69.



Fig. 68.

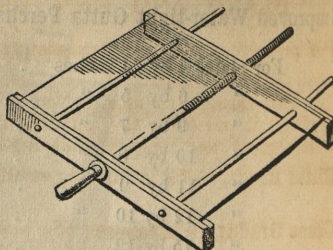


Fig. 68A.

### PLATE HOLDERS.

	£	s.	d.
Pneumatic Plate Holder simple form ( <i>Fig. 68</i> )	0	1	0
Ditto, small, with lever ( <i>Fig. 69</i> )	0	2	6
Ditto, ditto, large, with lever ( <i>Fig. 69</i> )	0	3	6
Plate Cleaners ( <i>Fig. 68A</i> )	4s. 6d. and	0	5 6



Fig. 70.

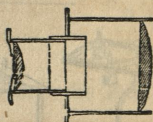


Fig. 71.

Photographic Visuometer, ( <i>Fig. 70</i> ) for enabling the tourist to judge of the effect of a landscape, folding for the pocket	0	3	6
Focussing Glass or Eye-piece, for obtaining a perfectly sharp and distinct picture on the focussing screen ( <i>Fig. 71</i> )	7s. 6d. and	0	10 6
Instrument to count Seconds, with Alarum	2	5	0
Ditto, ditto, without Alarum	0	18	9
Scales and Weights ( <i>See page 41</i> ).			



**BLAND AND Co.'s CRYSTAL VARNISH.**

	£	s.	d.
For protecting the Collodion picture from injury during printing . . . . . per oz.	0	0	4

This varnish is a most perfect protection and is easily applied; it possesses the qualities of extreme hardness, transparency, and rapidity of drying in the highest degree.

Filter Rings, useful in filtering small quantities of liquids, each, 3d., 4d., and 0 0 6

Glass Graduated Measures (*See page 36*).

**PHOTOGRAPHIC COLOURS,**

*For colouring Photographs on Plate or Collodion.*

	£	s.	d.
No. 1. Box, containing 7 colours, with gold and silver shells, brushes, &c. . . . .	0	6	0
No. 2. Ditto, containing 14 colours, gold and silver shells, and an assortment of brushes . . . . .	0	8	0
No. 3. Ditto, containing 21 colours, ditto . . . . .	0	12	0
Separate colours of all tints . . . . . per bottle	0	0	6
Camel's-hair Brushes . . . . . per dozen	0	0	6
Sable ditto . . . . . "	0	6	0

Elastic Bottle for removing dust from plate, No. 1, 2s.,  
No. 2, 2s. 9d., No. 3, 3s. 6d.

**NEWMAN'S****INSTRUCTIONS FOR COLOURING PHOTOGRAPHS**

IN

OIL COLOURS, WATER COLOURS, PHOTOGRAPHIC COLOURS, &c.

WITH VALUABLE INFORMATION ON COLOURING, SIZING,  
VARNISHING, ETC., ETC.

*With Coloured Diagrams: bound in Cloth. price 2s. 6d.*

## NEWMAN'S PHOTOGRAPHIC COLOURS,

(POWDER.)

These Colours are prepared by a *peculiar process*, meeting every want of the photographer. They adhere with ease and fulness to the plate; while, from their transparency, *they colour without hiding* the photograph, giving a pure, brilliant, *life-like effect*, unattainable by any other colours.

THE SILVERED DAGUERREOTYPE PLATE,  
THE GLASS COLLODION PLATE,  
AND PORTRAITS, LANDSCAPES, &c., TAKEN ON THE PAPER.

THE FOLLOWING ARE SOME OF THE PRINCIPAL COLOURS.

Flesh, Fair, 1 2	Golden Yellow	Satin White
Ditto, Dark, 1 2	Distance	3 Greys
Carmine	Peach	Silver Grey
Carnation	White	3 Browns
Horizon	Black	Rose
Lavender	3 Blues	Permanent Scarlet
Crimson	4 Greens	Claret
Plum	Orange	White (Solarization)
3 Complexions	Pink	Background
Lips	Puce	&c., &c., &c.
3 Yellows	Damask	

In Small Bottles, sealed and tied over, price 1s. each.

NEWMAN'S POSITIVE COLOURING VARNISH, 1s. and 1s. 6d. per Bottle.

NEWMAN'S POSITIVE COLOURING VARNISH, for Non-Inverted Positives,  
1s. and 1s. 6d. per Bottle.

NEWMAN'S PREPARATION, for Sizing Salted and Albumenized Paper,  
1s. and 1s. 6d. per Bottle.

## PHOTOGRAPHIC BRUSHES.

			s.	d.
Nos. 1 and 2, Small Camel Hair	...	per dozen	1	6
Ditto, No. 3,	... ..	"	2	0
Sables in Quill	... ..	each 4d., 6d. to	1	0
Miniature Brushes	... ..	per dozen	4	0
Sables in Albata, very fine	... ..	" 4s. to	6	0
Camel-Hair Dusters	... ..	each	0	3



			s.	d.
Bound Camel-Hair, for Chemicals	...	6d., 9d. and	1	0
Ditto, with silver wire ...	...	each	1	6
Flat Brushes, for Chemicals	...	up to 4 inches, per inch	0	9
Ditto, in tufts	...	... 4 inches, per inch	1	0
Ditto, 6 Quills in handle	...	... each	1	6
Ditto, ditto, large	...	... "	2	0
Ditto, in Tin, half to six inches	...	at $\frac{1}{2}$ inch	0	9
Round Camel-Hair in Tin	...	each 4d. to	2	6
ALL POLISHED HANDLES.				
Stumps	...	each 4d. and	0	6
Gold Shells	...	each 6d. and	1	0
Silver or Alumina Shells	...	each	0	6
India-rubber Blowers	...	"	2	0

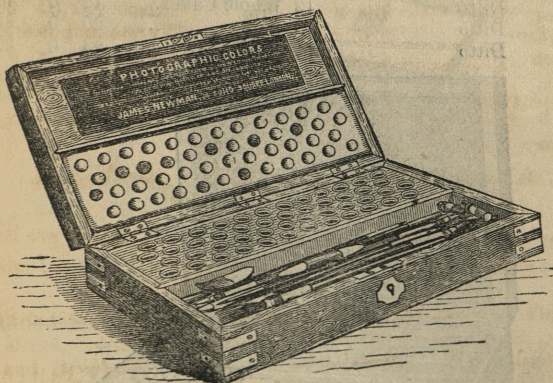


Fig. 1.

				£	s.	d.
Lock Mahogany Box, with Velvet Palette, Brushes,						
Stumps, Shells, &c.		and 36 Colours ...		...	2	2 0
Ditto,	ditto	with 24	" ...	...	1 11	6
Ditto,	ditto	with 18	" ...	...	1 5	0
Ditto,	ditto	with 12	" ...	...	1 0	0

Box, with Velvet Palette, Brushes, &c., 9 Colours	...	£	s.	d.
		0	10	6
Slide Boxes, containing any number of Colours, with Brushes, Stumps, Shells, &c.	... ..			
Albata and Brass-bound Dove-tailed Mahogany Boxes, with extra reserve of Brushes, Stumps, &c., for hot climates, from ...	... ..	2	2	0

## PHOTOGRAPHIC COLOURS.

### SUPERFINE WATER COLOURS.

Newman's Mahogany Boxes, arranged with Extra Colours,  
especially for Photographic Portraiture, with Slabs, Sable  
and Camel-Hair Brushes, &c.

		s.	d.	s.	d.
Mahogany Slide Boxes,	12 Half-Cakes	7	0	9	0
Ditto	18 ditto	10	6	13	0
Ditto	24 ditto	14	0	18	0
Ditto	12 Whole Cakes...	12	0	16	0
Ditto	18 ditto	20	0	24	0
Ditto	24 ditto	24	0	30	0



Fig. 2.



			s.	d.	s.	d.
Mahogany Lock Box, with Sable and Camel-Hair						
Brushes, Slabs, &c.	12 Half-Cakes	...	10	6	12	6
Ditto	18 ditto	...	14	0	18	0
Ditto	24 ditto	...	18	0	25	0
Ditto	12 Whole Cakes...	...	16	0	20	0
Ditto	18 ditto	...	22	0	28	0
Ditto	24 ditto	...	31	6	42	0
Handsome Best Box, with Water Glasses, Sable,						
and Camel-Hair Pencils, Drawer, Slabs, Body-	12 Cakes	...	31	6	35	0
Colour, and	18 ditto	...	40	0	48	0
Ditto	24 ditto	...	45	0	63	0

## MOIST WATER COLOURS.

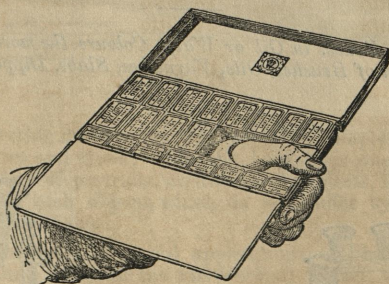


Fig. 3.

Japanned Box, with selected list of the Improved						
Moist Colours for Photographic portraiture,						
and Brushes,	10 Half-Cups	...	10	6	12	6
Ditto	12 ditto	...	12	0	15	0
Ditto	16 ditto	...	15	0	20	0
Ditto	18 ditto	...	17	0	22	0
Ditto	10 Whole Cups	...	15	0	20	0
Ditto	12 ditto	...	18	0	25	0
Ditto	16 ditto	...	25	0	35	0
Ditto	18 ditto	...	31	6	40	0

The higher prices in the second column are for extra and more expensive but necessary Colours and Brushes.

## OIL COLOURS.

Boxes, with Oil Colours, especially selected for Photographic  
Portraiture, with Palette, Sable and Hog-Hair Brushes, Oils,  
Varnishes, Palette Knife, Softener, &c.

				£	s.	d.
Japanned Boxes, with folding Palette, Brushes, &c.						
Varnishes, Oils, &c., &c.	12 Tubes	...	...	1	8	0
Ditto long	12 ditto	...	...	1	8	0
Ditto	16 ditto	...	...	1	15	0
Ditto	20 ditto	...	...	2	6	0
Ditto	27 ditto	...	...	3	10	0
Ditto	30 ditto, and Double					
Bottom for Millboards, very complete	...			4	4	0

*The larger the Boxes, in Oil or Water Colours, the more complete the  
selection of Brushes, Oils, Varnishes, Slabs, Dippers, &c.*

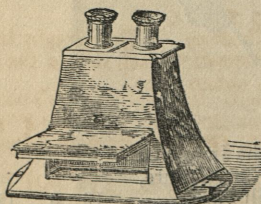


Fig. 72.

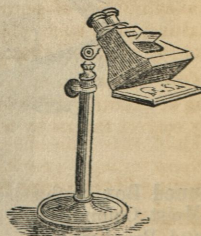


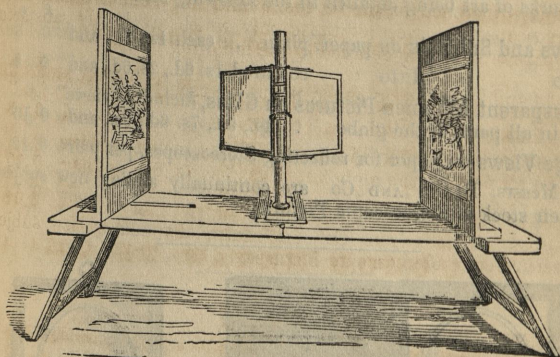
Fig. 74.

## STEREOSCOPES, AND STEREOSCOPIC PICTURES.

Stereoscopes are of two kinds, namely, the Reflecting Stereo-  
scope of Professor Wheatstone, and the Lenticular or refracting one



of Sir David Brewster (*Fig. 72*). They both possess the power, as their name implies, of exhibiting objects properly prepared as solids; that is to say, precisely as we see them in nature, having three dimensions—length, breadth, and thickness.



*Fig. 73.*

The Reflecting Stereoscope (*Fig. 73*) is best adapted to the display of large pictures and views; while the Lenticular one is most suited for the exhibition of portraits, architectural subjects, still life, groups of statuary, and such objects which do not suffer by being reduced to pictures of small size.

One of the most beautiful applications of Photography is, the taking of pictures fitted for the Stereoscope; in fact, this is the only really correct means by which we can obtain them.

	£	s.	d.
Reflecting Stereoscope for large views, ( <i>Fig. 73</i> )	£3	3s.	&
Refracting Stereoscope, in Japanned Tin	0	2	6
Ditto, ditto, ( <i>Fig. 72</i> ), in mahogany, with Brass Eye-pieces	5s.	and	
Ditto, ditto, rosewood	0	7	6
Ditto, ditto, in mahogany, very superior, with Brass Eye-pieces, adapted for hot climates	0	10	6
Ditto, ditto, mounted on brass adjusting stand, suitable for the table ( <i>Fig. 74</i> )	0	15	0
Prismatic Stereoscopes, mahogany	1	10	0
Ditto ditto, walnut wood	7s.	6d. and	
Brass Stand for Stereoscopes	10s.	6d., 15s., and	
	1	10	0
	from 10s.	to	

## STEREOSCOPIC PICTURES.

Messrs. BLAND AND Co. would take occasion to remark, that a great difference exists in the quality of pictures suited to the Stereoscope, the prices of those only which are highly satisfactory as works of art being detailed in the following list:—

		£	s.	d.
Views and Subjects on paper, plain	each 1s., 2s., and	0	3	0
Ditto ditto coloured,	1s. 6d., 2s. 6d., and	0	3	6
Transparent Albumen Pictures on Glass, including views in all parts of the globe	4s., 5s., 7s. 6d., 9s., and	0	10	0
Large Views on paper for reflecting Stereoscopes, per pair		0	12	0

Messrs. BLAND AND Co. are continually adding new subjects to their stock of Stereoscopic Pictures.

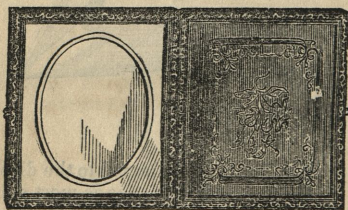


Fig. 75.

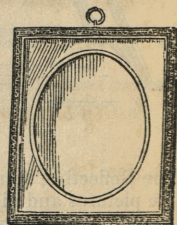


Fig. 76.

## MOROCCO CASES,

*With Gilt Mats and Preservers.*

Morocco Cases, fitted with Glasses, Preservers, and Gilt Mats of three shapes—dome, oval, and cushion, of very superior quality, lined with best silk velvet (Fig. 75):—

			£	s.	d.
No. 1. size, for plates	2½ by 2 inches	per doz.	0	8	0
No. 2. “	3¼ by 2¾ “	“	0	12	0
No. 3. “	4 by 3 “	“	0	17	0
No. 4. “	4½ by 3½ “	“	0	18	0
No. 5. “	5 by 4 “	“	1	9	0
No. 6. “	6½ by 4¾ “	“	2	10	0
No. 7. “	6 by 5 “	“	2	10	0
No. 8. “	8½ by 6½ “	“	5	10	0



**MOROCCO FRAMES,***With Suspensory Rings, Mats, Preservers, and Glasses. (Fig. 76.)*

No.	1.	size, for plates	2½ by 2 inches	.	.	per doz.	£	s.	d.
2.	"	"	3¼ by 2¾	"	.	"	0	5	0
3.	"	"	4 by 3	"	.	"	0	9	0
4.	"	"	4½ by 3¼	"	.	"	0	10	0
5.	"	"	5 by 4	"	.	"	0	15	0
6.	"	"	6½ by 4¾	"	.	"	1	10	0
7.	"	"	8½ by 6½	"	.	"	3	0	0

**GILT MATS,***Of best quality, oval, dome, and cushion shapes*

No.	1.	size, for plates	2½ by 2 inches	.	.	per doz.	£	s.	d.
2.	"	"	3¼ by 2¾	"	.	"	0	0	8
3.	"	"	4 by 3	"	.	"	0	1	3
4.	"	"	4½ by 3¼	"	.	"	0	1	3
5.	"	"	5 by 4	"	.	"	0	2	6
6.	"	"	6½ by 4¾	"	.	"	0	6	0

**PRESERVERS.**

These frames are composed of thin gilt metal, having a beading on the edge; their use is to keep the glass, mat, and picture in close contact, to the exclusion of dust, &c.

No.	1.	size, for plates	2½ by 2 inches	.	.	per doz.	£	s.	d.
2.	"	"	3¼ by 2¾	"	.	"	0	0	7
3.	"	"	4½ by 3¼	"	.	"	0	0	10
4.	"	"	5 by 4	"	.	"	0	2	0
5.	"	"	6½ by 4¾	"	.	"	0	4	0

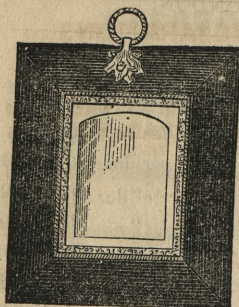


Fig. 77.



Fig 78.

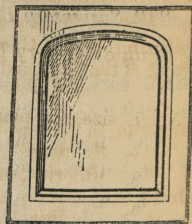


Fig. 79.

### BLACK PAPIER MACHE FRAMES,

*Very elegant, with Gilt Rim and Suspension Ring. (Fig. 77.)*

No.	1.	size, for plates	2½ by 2 inches	.	.	.	each	£	s.	d.
2.	"	"	3¼ by 2¾	"	.	.	"	0	2	4
3.	"	"	4¼ by 3¼	"	.	.	"	0	3	2
4.	"	"	5 by 4	"	.	.	"	0	3	7

### ORMOLU FRAMES,

*With Gilt Mats and Glasses. (Fig. 78.)*

No.	1.	size, for plates	2½ by 2 inches	.	.	each	0	1	0
2.	"	"	3¼ by 2¾	"	.	"	0	1	3
3.	"	"	4¼ by 3¼	"	.	"	0	1	9
4.	"	"	5 by 4	"	.	"	0	3	0
5.	"	"	6 by 5	"	.	"	0	7	6

### PASSE PARTOUTS,

*For Daguerreotype, Glass, or Paper Portraits and Views. (Fig. 79.)*

No.	1.	Inches.	Dark ground.		White & gold.		Dead gold.		Card-board.	
			s.	d.	s.	d.	s.	d.	s.	d.
1.	For plates,	2½ by 2 per doz.	1	9	2	8	7	0		
2.	"	3¼ by 2¾	2	3	3	4	7	8		
3.	"	4¼ by 3¼	2	11	4	0	8	6	6	9
4.	"	5 by 4	5	0	6	9	13	6	8	0
5.	"	6½ by 4¾	6	0	8	6	18	0	11	0
6.	"	8½ by 6½	10	9	16	0	38	0	16	6

Gutta-Percha Frames to order.



# PURE CHEMICALS AND PREPARATIONS

*Used in the Photographic Processes.*

Messrs. BLAND & Co. feel great confidence in submitting the following list of Chemicals, &c., to the notice of Photographers, as being of the first quality and of perfect purity.

## DAQUERRETYPE.

		£	s.	d.
Bromine, in 1-ounce bottles	.	0	2	3
" Solution	per ounce	0	0	3
" Chloride, prepared for use.	"	0	0	5
Bromide of Lime	per bottle	0	2	0
" Iodine	per ounce	0	1	6
Chloro-bromide of Lime	per bottle	0	2	9
Charcoal, prepared, for polishing plates	per packet	0	0	9
Cotton wool, best	per ounce 3d., per pound	0	3	0
Gold, Chloride, in bottles	$\frac{1}{4}$ dram	0	2	9
" "	$\frac{1}{2}$ "	0	4	6
" "	1 "	0	8	0
" "	2 "	0	16	0
Gold, Salt of (Sel d'or)	per bottle	0	3	6
Iodine, pure, re-sublimed (variable)	per ounce	0	1	6
" Commercial	"	0	1	3
" Tincture	"	0	0	4
Iodine Chloride	"	0	2	6
Lime, Bromide	per bottle	0	2	0
" Iodide	"	0	2	0
Lamp Black, prepared for buffing	per packet	0	0	9
Mercury, pure distilled	per ounce 3d., per pound	0	3	0
Naphtha, for lamp	per pint	0	1	6
Rottenstone, prepared, for polishing	per ounce	0	0	6
Rouge	"	0	0	6
Sensitive Solution	per bottle	0	2	0
Silver Solution (Argento-cyanide of Potassium), for re-silvering Daguerreotype plates	per ounce	0	0	9
Soda, Hyposulphite, pure, per pound 8d.	"	0	0	1
Tripoli, prepared, for polishing	"	0	0	4
Water, distilled	per gallon	0	0	8

## CALOTYPE AND PAPER PROCESSES.

Acid, Acetic Glacial, pure	per ounce	0	1	0
" Gallic	"	0	1	3
" Succinic	"	0	3	6
Ammonia, pure	"	0	0	2
" Muriate, free from iron	"	0	0	2
Ammonium, Iodide (variable)	"	0	2	6
Barium, Chloride	"	0	0	2
" Iodide (variable)	"	0	3	6

		£	s.	d.
Gold, Chloride . . . . .	per dram	0	8	0
" Solution, for darkening positives . . . . .	per ounce	0	0	6
Iron, Protosulphate, pure . . . . .	per pound	0	1	0
" Iodide (variable) . . . . .	per ounce	0	2	0
Potassium, Bromide, pure (variable) . . . . .	"	0	2	0
" Cyanide . . . . .	"	0	0	3
" Iodide (variable) . . . . .	"	0	1	9
" Ferrocyanate (yellow prussiate) . . . . .	"	0	0	3
" Ferridcyanide (red prussiate) . . . . .	"	0	0	6
" Fluoride . . . . .	"	0	1	6
Silver, Nitrate, crystallized . . . . .	"	0	4	0
Silver, Nitrate, fused . . . . .	"	0	4	0
" Ammonio-nitrate . . . . .	"	0	0	9
" Iodide . . . . .	"	0	5	6
" " in Iodide of Potassium . . . . .	"	0	1	3
Soda, Hyposulphite . . . . .	per pound 8d.	0	0	1
Sodium, Chloride, pure . . . . .	"	0	0	2
" Fluoride . . . . .	"	0	1	0
Sugar of Milk . . . . .	"	0	0	2
Solution for iodizing waxed paper . . . . .	per pint	0	4	6
" rendering " sensitive . . . . .	"	0	9	6
White Wax . . . . .	per pound	0	3	6

### COLLODION AND ALBUBEN GLASS PROCESSES.

Acid, Acetic Glacial . . . . .	per ounce 6d., and	0	0	4
" Pyrogallie, pure . . . . .	per ounce 6s. 6d., per dram	0	0	10
" Sulphuric, pure . . . . .	per ounce	0	0	2
" " common . . . . .	per pound	0	0	3
Ammonia, pure . . . . .	per ounce	0	0	2
Ammonium, Iodide (variable) . . . . .	"	0	2	6
Barium, Iodide . . . . .	"	0	3	6
Baryta, Nitrate, pure . . . . .	"	0	0	2
Collodion, Positive Iodized . . . . .	"	0	0	6
" Negative ditto . . . . .	"	0	0	9
Æther, Sulphuric, rectified . . . . .	"	0	0	4
Iron, Protosulphate, pure . . . . .	"	0	0	1
" Protonitrate, solution . . . . .	"	0	0	3
" Iodide (variable) . . . . .	"	0	2	0
Potassa, Nitrate, powdered . . . . .	per pound	0	1	0
Potassium, Iodide (variable) . . . . .	per ounce	0	1	9
Silver, Nitrate, crystallized . . . . .	"	0	4	0
" " fused . . . . .	"	0	4	0
" Iodide . . . . .	"	0	5	6
Soda, Hyposulphite . . . . .	per pound 8d.	0	0	1
Varnish, Crystal, for protecting glass pictures . . . . .	"	0	0	4
" Benzoin . . . . .	"	0	1	0

The foregoing prices are subject to variation.



---

**SPECIAL LIST OF REQUISITES**  
FOR THE  
**DRY COLLODION PROCESS,**

SUPPLIED BY  
**MESSRS. BLAND & Co.,**  
Opticians, and Photographic Instrument Makers  
TO THE QUEEN,  
153, FLEET STREET, LONDON.

---

**BLAND & CO.'S**  
**IODIZED DRY COLLODION.**

This preparation will keep for an indefinite period, and can be exported to any climate, without risk of deterioration.

*Price of Collodion and Iodizing Solution separate,  
Half-pints, 8s. ; Pints, 14s. ; per Ounce, 9d*

---

**BLAND & CO.'S**  
**PRESERVATIVE SOLUTION,**  
READY FOR USE.—1s. per pint.

---

**BLAND & CO.'S**  
**BENZOIN VARNISH,**  
FOR PROTECTING THE FINISHED NEGATIVE.  
1s. per ounce.

This varnish does not require the plate to be warmed, but dries instantly, leaving a perfectly hard transparent coating on the picture.

# NITRATE OF SILVER BATH, FOR BLAND & CO.'S DRY COLLODION.

READY FOR IMMEDIATE USE.—7s. 6d. per pint.

## PURE CHEMICALS.

	s.	d.	
Fused Nitrate of Silver, absolutely pure	4	0	per oz.
Glacial Acetic Acid	1	0	"
Pure Gelatine	0	6	"
Pure Citric Acid	0	6	"
Gallic Acid, pure	1	3	"
Iodide of Cadmium	3	0	"
Hyposulphite of Soda	0	8	per lb.
Pure Sulphuric Æther	0	4	per oz.
Absolute Alcohol	0	4	"

# SENSITIVE DRY COLLODION PLATES,

READY FOR EXPOSURE IN THE CAMERA.  
(LONG'S PROCESS.)

Messrs. BLAND & Co. are now prepared to supply these plates carefully secured in hermetically sealed cases, with full directions for exposure and development, of all sizes and in any quantity, at the following prices:—

		Per Doz.				Per Doz.	
		s.	d.			s.	d.
4 $\frac{1}{4}$ × 3 $\frac{1}{4}$	.....	5	0	7 × 6	.....	0	14 0
5 × 4	.....	6	6	8 $\frac{1}{2}$ × 6 $\frac{1}{2}$	.....	0	18 0
5 $\frac{1}{2}$ × 3 $\frac{1}{2}$	.....	6	0	9 × 7	.....	1	1 0
6 $\frac{1}{4}$ × 3 $\frac{1}{4}$	.....	8	6	10 × 8	.....	1	6 6
6 $\frac{1}{2}$ × 4	.....	8	6	11 × 9	.....	1	13 0
6 $\frac{3}{4}$ × 3 $\frac{3}{4}$	.....	8	9	12 × 10	.....	2	0 0
6 × 5	.....	8	6	15 × 12	.....	4	0 0

LARGER OR OTHER SIZES TO ORDER.



The advantages of a *certain and simple* Dry Collodion process are so obvious to those who have practised Photography in the open air, that we feel it is merely necessary to introduce the above List to their notice with as few remarks as possible.

We would, however, mention a few particulars connected with the process for the information of those who have not hitherto practised the Dry Collodion process, as detailed by Mr. Long.

The plates, as prepared for sale, are hermetically sealed in an envelope perfectly impervious to air and moisture, they can therefore be exported to any climate without risk of deterioration.

Plates prepared by Mr. Long's process will keep sensitive for almost an indefinite period, and can be developed at any time without regard to the date of exposure; this, it will be seen, is of immense advantage to the tourist, as he can delay the development of the whole of his plates until his return.

To those Photographers whose inclinations or want of leisure will not admit of their carrying through the first preparation of the plate, these Dry Sensitive Plates will be found invaluable, enabling their whole energy to be directed to the more careful selection of subject.

The plates being dry, there is no danger of dust settling on their surfaces; this point will be appreciated by every Photographer.

The development of the pictures can be conducted in any room whence the light can be excluded—as the process is simple and *clean*—three dishes being the only requisites in point of apparatus.

To Officers, Engineers, and Architects, these Dry Plates offer a desideratum of no small value, as they are *always ready for use*, occupy very little room in travelling, and can be used under circumstances which would preclude the adoption of any process that had to be carried out on the spot.

---

**BLAND & CO.,**

Photographic Instrument Makers to the Queen,

153, FLEET STREET, LONDON.

THE  
**DRY COLLODION PROCESSES.**

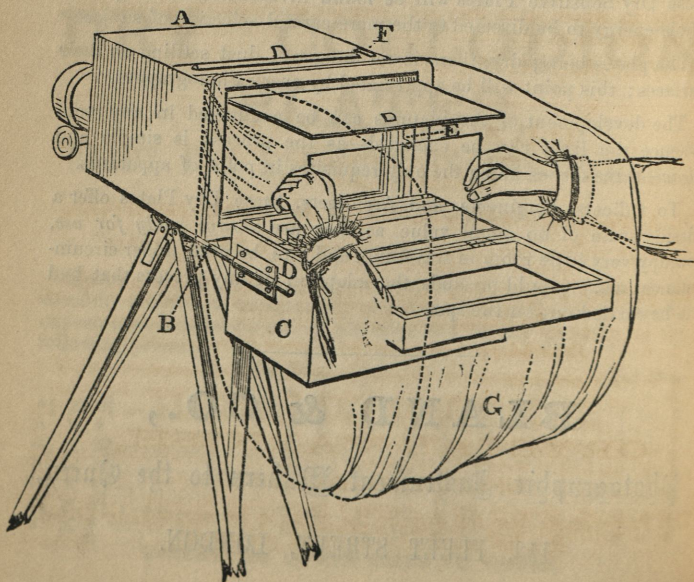
MESSRS. BLAND & CO. have invented the following  
simple means of

**CHANGING THE DRY COLLODION PLATES**

while working in the fields. The plan has been in use for  
some time, and answers perfectly.

*Price according to size.*

*Adapted to Stereoscopic Camera, 15s.*





BLAND &amp; CO.'S

**IODIZED NEGATIVE COLLODION,***Price 9d. per ounce.*

This valuable preparation, for sensitiveness and uniformity of action, is unsurpassed.

The COLLODION and IODIZING SOLUTION can be obtained separate, in which state they will keep for an indefinite period, and can be exported to any climate without risk of deterioration.

*Price of Collodion and Iodizing Solution, separate, 12s. 6d. per pint (20 ozs.)*

BLAND &amp; CO.'S

**IODIZED POSITIVE COLLODION,***Price 6d. per ounce.*

Pictures produced by this preparation are not to be surpassed for clearness and depth in the shadows and brilliancy of the light parts.

The COLLODION and IODIZING SOLUTION can be obtained separate, in which state they will keep for an indefinite period, and can be exported to any climate without risk of deterioration.

*Price of Collodion and Iodizing Solution, separate, 9s. per pint (20 ozs.)*

BLAND &amp; CO.'S

**LIQUID JET,**

FOR APPLYING TO THE BACK OF COLLODION POSITIVES,

GIVING GREAT BRILLIANCY AND LUSTRE TO THE PICTURES.

This peculiar Preparation is not liable to crack under any circumstances of age or exposure.

*Price 6d. per 4-ounce bottle ; 8-ounce ditto, 1s.*

BLAND &amp; CO.'S

**CRYSTAL VARNISH,**

FOR POSITIVE PICTURES.

This Preparation does not require the plate to be warmed ; it dries in a few moments.—*Price 4d. per ounce.*

## BLAND & CO.'S POSITIVE TONING BATH,

for giving rich tones and colour to Positive Photographs, printed on  
either Plain or Albumenized Papers.—*Price 5s. per pint.*

## THOMAS'S NEGATIVE COLLODION.

BLAND & Co., AGENTS,

153, FLEET STREET, LONDON. E. C.

20 ounces, in two solutions, stoppered bottles	...	£	s.	d.
10 " " "	...	0	16	0
4 " " "	...	0	8	6
4 " " " corked bottles	...	0	4	0
		...	0	3 2

## NORMAL NITRATE OF SILVER BATH,

For the above preparation of NEGATIVE COLLODION, prepared by  
MR. R. THOMAS.

## OXIDE OF SILVER AND NITRIC ACID,

For correcting the Nitrate of Silver Bath, with directions for use.

*Sold in Cases, 2s. each; or by Post, 2s. 6d.*

## ESTIMATES

OF

## Complete Sets of Photographic Apparatus,

FOR THE COLLODION PROCESS ONLY.

No. 1. Complete Set of Photographic Apparatus, for taking positive portraits and views up to 4¼ by 3¼ inches, in wood case, complete, with tripod stand.	£	s.	d.
	3	0	0

This apparatus is of the most simple kind, and consists of a compound achromatic lens (tested); walnut camera and back; 2 plate holders, and focussing screen; mahogany tripod stand; scales and weights; porcelain pan; gutta serena bath and dipper; filtering paper; glass funnel; graduated measure; 1 dozen plates in box; and bottles containing 6 oz. of nitrate of silver bath, 3 oz. positive collodion, 1 pint of developing solution, 1 oz. cyanide potassium, 1 oz. of Bland and Co.'s transparent varnish, with full directions for use.



	£	s.	d.
No. 2. Complete set of Photographic Apparatus, for taking portraits up to $6\frac{1}{2}$ by $4\frac{3}{4}$ , the contents of box being the same as No. 1, only in larger quantities	5	5	0

No. 3. Complete Set of Photographic Apparatus, for taking portraits and views $4\frac{1}{4}$ by $3\frac{1}{4}$ inches; consisting of a sliding body camera, in walnut wood: 1 single back, for plates $4\frac{1}{4}$ by $3\frac{1}{4}$ inches, fitted with compound achromatic lens of superior construction; reversing frame; glass plates in box; gutta percha bath and dipper; porcelain pan; levelling stand; scales and weights; glass graduated measure; filtering paper and funnel; Canson's positive paper, for printing; camera tripod stand; and chemicals, consisting of 1 oz. nitrate of silver, $\frac{1}{2}$ dram of pyrogallie acid, 1 oz. glacial acetic acid, 4 ozs. iodized collodion, hyposulphite of soda, 1 oz. varnish; the whole packed in case, with lock and handle . . .	5	0	0
--	---	---	---

No. 4. Complete Set of Photographic Apparatus, for portraits $4\frac{1}{4}$ by $3\frac{1}{4}$ inches, same as No. 3, but with best French-polished mahogany camera, and compound achromatic lens, of Bland and Co's own make, in which the chemical and optical foci are warranted to coincide; chemicals, stand, &c., complete . . .	6	12	6
---	---	----	---

No. 5. Complete Set of Photographic Apparatus, consisting of sliding body camera of superior construction, with dark slide and loose frames for plates 5 by 4 inches, and 4 by 3 inches; compound achromatic lens, mounted in handsome brass front, of Bland and Co.'s own make, the chemical and optical foci being perfectly coincident; glass plates, plate boxes; gutta percha bath and dipper; washing pan; levelling stand; reversing frame; glass measures; scales and weights, with glass pans; with all the necessary chemicals, papers, tripod stand, &c., packed in case, complete, with lock and key . . .	9	7	6
--	---	---	---

No. 6. Complete Set of Photographic Apparatus, consisting of sliding body camera, best make; dark slide with three loose frames for plates 6 by 5 inches, 5 by 4 inches, and 4 by 3 inches, fitted with compound achromatic lens, mounted in handsome brass front, of Bland and Co.'s own make, the chemical and optical foci being absolutely coincident; glass plates; 3 plate boxes; gutta percha bath and dipper; 2 washing pans; levelling stand; reversing frame; glass measures; scales and			
--	--	--	--

£ s. d.

weights; funnel; filter ring; supply of positive paper; bibulous paper; tripod stand, with brass top; with all requisite chemicals, in stoppered bottles, and materials; the whole packed in case, with lock and key. . . . . 13 10 0

- No. 7. **Complete Set of Apparatus for Collodion pictures,** 8½ by 6½ inches, 6 by 5 inches, and 5 by 4 inches; comprising mahogany sliding body camera, of best construction, with one dark slide, and three loose frames for glass plates, ground focussing glass, &c., fitted with double combination achromatic lens of Bland and Co.'s own manufacture, in which the chemical and optical foci are perfectly coincident, mounted in handsome brass front, with rack and pinion adjustment; 1 doz. plates, 8½ by 6½ inches, in box; 1 dozen plates, 6 by 5 inches, in box; 1 doz. plates, 5 by 4 inches, in box; gutta percha bath and dipper; 2 washing pans; levelling stand, reversing frame; glass measures; scales and weights; with a full supply of all the necessary chemicals, tripod stand, &c., complete, packed in stout case, with lock and key . . . . . 27 0 0

## ESTIMATES

OF

### Complete Sets of Photographic Apparatus,

FOR THE PAPER PROCESSES ONLY.

- No. 1. **Complete Set of Photographic Apparatus,** for taking pictures by the Calotype or waxed-paper process, 6 by 5 inches; consisting of mahogany camera, fitted with single achromatic lens, 1¾ inches diameter, mounted in brass front; single dark slide for prepared paper; porcelain dish; preparing board; glass rod; reversing frame; 1 quire of photographic paper; 1 quire of bibulous ditto; set of scales and weights; 1 oz. measure; minim ditto; tripod stand; and all the necessary chemicals, &c., in stoppered bottles; the whole packed in case with lock and key . . . . . 5 5 0



£ s. d.

- No. 2. **Complete Set of Photographic Apparatus**, for taking pictures by the calotype or waxed paper process, 7 by 6 inches, consisting of mahogany camera, fitted with single achromatic view lens,  $2\frac{1}{4}$  inches diameter, mounted in brass front; single dark slide for prepared paper; ground focussing glass; 2 porcelain dishes; board for the preparation of paper; 2 glass rods; reversing or printing frame; tripod stand for supporting the camera; 2 quires of photographic paper; 2 quires of bibulous ditto; scales and weights; glass measures; funnel; with all the necessary chemicals, &c.; the whole packed in case, with lock and key . . . . . 6 6 0
- No. 3. **Complete Set of Photographic Apparatus**, for taking pictures 9 by 7 inches, by either the calotype or waxed paper process; comprising mahogany camera, fitted with single achromatic view lens,  $2\frac{3}{8}$  inches diameter, mounted in brass front; 1 double back for prepared paper, ground focussing screen; tripod stand for supporting camera; 2 porcelain dishes; preparing board; 2 glass rods; reversing or printing frame, for obtaining positives; 2 quires of photographic paper; 2 quires of bibulous ditto; scales and weights; glass measures and funnels; with all the necessary chemicals, complete; the whole packed in case, with lock and key . . . . . 9 9 0
- No. 4. **Portable Photographic Apparatus**, consisting of a folding camera of best construction, with ground focussing glass; 1 double back for prepared paper; fitted with single achromatic lens,  $2\frac{1}{4}$  inches diameter, mounted in brass front, sliding adjustment for foreground and sky, adapted for taking pictures by the calotype or waxed paper process, 7 by 6 inches; tripod stand for supporting the camera; 2 porcelain washing pans; preparing board; 2 glass rods; reversing frame; glass graduated measures and funnels; 2 quires of photographic paper; 1 quire of albumenized ditto; 1 quire of bibulous ditto; scales and weights, with glass pans; and a full supply of chemicals; the camera and lens packed in leather swing case, for convenience of carriage; the chemicals and other apparatus in case, with lock and key . . . . . 12 0 0

£ s. d

- No. 5. **Portable Photographic Apparatus**, comprising folding camera of best construction; ground focusing glass; 1 double back for prepared paper, 9 by 7 inches; fitted with single achromatic view lens,  $2\frac{1}{2}$  inches diameter, mounted in brass front, with adjustment for foreground and sky; tripod stand, for supporting the camera; preparing board; 2 glass rods; 1 ounce glass graduated measure; minim ditto; 2 glass funnels; 2 porcelain pans for washing paper; reversing or printing frame; set of scales and weights, with glass pans; 3 quires of photographic paper; 2 quires of albumenized ditto; 2 quires of bibulous ditto; with a full supply of chemicals, &c. The camera, with back and lens, packed in leather sling case, for convenience of carriage; the chemicals and other apparatus in strong case, with lock and key . . . 15 0 0
- No. 6. **Portable Photographic Apparatus**, consisting of folding camera of best construction; ground focusing glass; 1 double back for prepared paper, 11 by 9 inches; fitted with single achromatic view lens, 3 inches diameter, mounted in brass front with rackwork adjustment; sliding front to camera, for adjusting proportion of foreground and sky; tripod stand for supporting the camera; 2 porcelain pans for washing paper; preparing board; 2 glass rods; glass graduated measures; glass funnels; reversing or printing frame; set of scales and weights, with glass pans; 3 quires of photographic paper; 3 quires of albumenized ditto; 3 quires of bibulous ditto; with a full supply of chemicals for the calotype or waxed-paper process; the camera and lens packed in leather sling case, for convenience of carriage; the chemicals and other apparatus in strong case, with lock and key . . . 20 0 0



## ESTIMATES

FOR

## Complete Sets of Photographic Apparatus.

FOR THE COLLODION AND PAPER PROCESSES COMBINED.

- |   | £  | s. | d. |
|---|----|----|----|
| <p>No. 1. Complete Set of Photographic Apparatus, for taking portraits by the Collodion process, <math>4\frac{1}{4}</math> by <math>3\frac{1}{4}</math> inches, and views or landscapes 6 by 5 inches, on either calotype or waxed-paper; comprising a sliding body French-polished mahogany camera, with 1 single back for paper, and 1 single back with loose frames for collodion plates; fitted with compound achromatic lens, of Bland and Co.'s own make, which is adapted for either portraits or views, tripod stand; scales and weights; levelling stand; gutta percha bath and dipper; 1 dozen glass plates in box, <math>4\frac{1}{4}</math> by <math>3\frac{1}{4}</math> inches; 1 dozen ditto in box, <math>3\frac{1}{4}</math> by <math>2\frac{3}{4}</math> inches; reversing or printing frame; 2 glass graduated measures; 2 funnels; glass rods; preparing board; 2 porcelain washing pans; 1 quire of photographic paper; 1 quire of albumenized ditto; 1 quire of bibulous ditto; and a supply of chemicals, both for collodion and calotype or waxed-paper process; the whole packed in case, with lock and key</p> | 10 | 0  | 0  |
| <p>No. 2. Complete Set of Photographic Apparatus, for taking portraits on collodion 5 by 4 inches, and views or landscapes 7 by 6 inches, on either calotype or waxed-paper; consisting of mahogany French-polished sliding body camera, with 1 single back for paper 7 by 6 inches, and 1 single back for collodion plates; 2 loose frames, 5 by 4 inches, and 4 by 3 inches; fitted with compound achromatic lens, of Bland and Co.'s own make, which is adapted for either portraits or views; tripod stand; scales and weights; levelling stand; gutta percha bath and dipper; 1 dozen glass plates in box, 5 by 4 inches; 1 dozen ditto in box, 4 by 3 inches; reversing frame; 2 glass graduated measures; preparing board; 2 pans for washing; 1 quire of photographic paper; 1 quire of albumenized ditto; 1 quire of bibulous ditto; 2 glass</p>   |    |    |    |

funnels; and a good supply of chemicals in stoppered bottles, consisting of nitrate of silver, iodide of potassium, gallic acid, acetic acid, varnish, hyposulphite of soda, iodized collodion, pyrogallic acid, chloride of sodium, cyanide of potassium, nitrate of silver bath, &c; the whole packed in case complete, with lock and key . . . . . 13 10 0

No. 3. Ditto, ditto, same as above, but with portable folding camera, of best construction, with one double back for paper, and one single back for collodion plates . . . . . 14 10 0

No. 4. **Complete Set of Photographic Apparatus**, for taking portraits on collodion 6 by 5 inches, and views or landscapes 9 by 7 inches, on calotype or waxed paper; comprising a mahogany French-polished sliding body camera, with one single back for paper 9 by 7 inches, and one single back with two loose frames for collodion plates 6 by 5 inches, and 5 by 4 inches, fitted with compound achromatic lens of Bland and Co.'s own make, which is adapted for both portraits and views; tripod stand; scales and weights; levelling stand; gutta percha bath and dipper; 1 dozen glass plates, 6 by 5 inches, in box; 1 dozen ditto, 5 by 4 inches, in box; reversing frame; 2 glass graduated measures; preparing board; glass rods; 2 porcelain washing pans; 2 quires of photographic paper; 2 quires of albumenized ditto; 2 quires of bibulous ditto; 2 glass funnels; and a good supply of chemicals required in both processes; the whole carefully packed in case, with lock and key . . . 17 17 0

No. 5. Ditto, ditto, same apparatus, &c., as above, but with portable folding camera of best construction, with one double back for paper, and one single back for collodion plates . . . . . 18 10 0

No. 6. **Complete Set of Photographic Apparatus**, for taking portraits on collodion plates  $8\frac{1}{2}$  by  $6\frac{1}{2}$  inches, and views or landscapes 11 by 9 inches, on either calotype or waxed papers. Comprising mahogany sliding body camera, French-polished, with one single back for paper 11 by 9 inches, and one single back for glass plates, with two loose frames  $8\frac{1}{2}$  by  $6\frac{1}{2}$  inches, and 6 by 5 inches; fitted with compound achromatic lens, of Bland and Co.'s own make, which is adapted for either portraits or views; tripod stand; scales and weights; levelling



	£	s.	d.
stand, gutta percha bath and dipper; 1 dozen plates in box, $8\frac{1}{2}$ by $6\frac{1}{2}$ inches; 1 dozen ditto 6 by 5 inches in box; reversing frame; 2 glass graduated measures; preparing board; 2 glass rods; 2 pans for washing; 3 quires of photographic paper; 3 quires of albumenized ditto; 3 quires of bibulous ditto; 2 funnels; and an ample supply of all the requisite chemicals for both processes, in stoppered bottles; the whole packed in strong case, with lock and key . . . . .	30	0	0
No. 7. Ditto, ditto, same as above, but with portable folding camera of best construction, with one double back for paper, and one single back for collodion plates . . . . .	31	15	0

*Estimates given for complete Sets, for any single process, or combination of processes, not enumerated in the above list.*

## ESTIMATES FOR COMPLETE SETS OF DAGUERREOTYPE APPARATUS.

*(The following prices do not include a supply of silvered plates.)*

No 1 Set of Daguerreotype Apparatus, for taking pictures $4\frac{1}{2}$ by $3\frac{1}{2}$ inches, $3\frac{1}{2}$ by $2\frac{1}{2}$ inches, and $2\frac{1}{2}$ by 2 inches; consisting of No. 1 walnut sliding body camera, with single achromatic lens, mounted in brass front, dark slides for plates, ground focusing glass, &c; bromine and iodine pans, with airtight glass covers, and set of frames; 3 plate holders; 3 plate boxes; 2 velvet polishing buffs; mercury box; with thermometer; porcelain washing tray; gilding stand, with levelling screws; improved pliers; glass spirit lamp; funnel; filtering paper; with all the necessary chemicals and polishing materials, in hard wood boxes. The whole packed in two stained cases, with locks and handles . . . . .	6	6	0
Ditto, of superior construction . . . . .	10	10	0
If with compound achromatic lens, and double iodine and bromine boxes, forming a more complete set of apparatus . . . . .	15	15	0
No 2. Complete Set of Daguerreotype Apparatus, for portraits from $2\frac{1}{4}$ by $3\frac{1}{4}$ inches, up to $6\frac{1}{2}$ by $4\frac{1}{4}$ inches, with best compound achromatic lens,			

mounted in handsome brass front, rackwork adjustment; sliding body camera of mahogany, with dark frames, focussing glass, &c.; improved compound iodine and bromine box; 2 polishing buffs; 4 plate boxes; 4 polishing blocks; head rest; mercury box, with thermometer; washing tray; gilding stand; improved pliers; spirit lamp; funnel and filter paper; hard wood boxes, containing polishing materials, with all the necessary chemicals and materials. The whole packed in two stained wood cases, with locks and handles . . . 23 0 0

- No. 3. **Complete Set of Daguerreotype Apparatus**, for taking pictures up to  $8\frac{1}{2}$  by  $6\frac{1}{4}$  inches; consisting of sliding body camera, with dark frames, focussing glass, &c.; compound achromatic lens, mounted in handsome brass front, with rackwork adjustment; compound iodine and bromine apparatus, complete; polishing buffs; plate boxes; polishing blocks; camera stand; head rest; mercury box; washing pans; gilding stand; improved pliers; spirit lamp; funnels; polishing boxes; filtering paper, &c.; with a good supply of all the necessary chemicals, materials, &c. The whole carefully packed in two cases, with locks and handles . . . 40 0 0

- No. 4. **Complete Set of Daguerreotype Apparatus**, suitable for a Public Institution or a professional Photographer; comprising large camera, with necessary slides for plates, ground focussing glass, combination achromatic lens, mounted in handsome brass front, with rackwork adjustment, for taking portraits, groups, or views, up to  $8\frac{1}{2}$  by  $6\frac{1}{2}$  inches; also a small camera, with short focus double combination achromatic lens of large aperture, for taking portraits up to  $4\frac{1}{2}$  by  $3\frac{1}{2}$  inches in dull weather; polishing lathe, with circular buffs; 3 hand buffs; set of metal plate holders; heating stand; large bromine and iodine apparatus; set of plate boxes; camera stand; head rest, for chair; also head rest with heavy iron foot, for full length portraits; mercury box, for different sized plates; lamp, with yellow glass shade; one gallon still, and worm tub complete; gilding stands; stoneware filter; porcelain dishes and filter stands; funnels and filtering paper; spirit lamps; Daguerreotype colours and brushes; india-rubber bottle; glass measures; 2 painted backgrounds; with a full supply of chemicals, polishing materials, &c., complete 110 0 0



---

THE  
**DRY COLLODION PROCESS,**

BY  
CHARLES A. LONG.

*Second Edition, price 1s.; per Post, 1s. 1d.*

---

**SPECTACLES:**

WHEN TO WEAR & HOW TO USE THEM.

ADDRESSED TO

THOSE WHO VALUE THEIR SIGHT.

By CHARLES A. LONG.

*Third Edition, price, Post-free, 6d.*

---

**BLAND & CO.'S**

**GENERAL & DESCRIPTIVE CATALOGUE**

OF

*Philosophical Instruments,*

AND

**CHEMICAL PREPARATIONS.**

COMPRISING SECTIONS ON

Chemistry  
Heat  
Meteorology  
Frictional Electricity  
Voltaic Electricity  
Thermo-Electricity  
Magnetism  
Electro-Magnetism  
Medical Electricity  
Mechanics  
Hydrostatics

Hydraulics  
Pneumatics  
Acoustics  
Optics and Optical Models  
Photography  
Astronomical Instruments  
Surveying Instruments  
Mathematical Instruments  
Globes  
Steam Engines and Models

---

Published by BLAND & CO., 153, Fleet Street.

